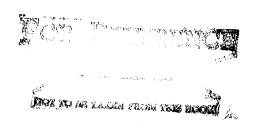
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# Index to NASA News Releases and Speeches 1983



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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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9 AU/KOWALCZYK, S. P. 30 31 32 2 AU/EDELSTEIN, N. 3 UTP/INDEX \*+2 NASA \*+1 NEWS \*+1 RELEASES \*+2 DISPLAY 32/2/1 15SUE 20 84N31047\*# PAGE 3314 CATEGORY 82 RPT#: NASA-TM-85509 NAS 84/00/00 178 PAGES UNCLASSIFIED DOCUMENT 1.15:85509 Index to NASA News Releases and Speeches, 1983 CORP: National Aeronautics and Space Administration, Washington, D. C. AVAIL.NTIS SAP: HC A09/MF A01 /\*INDEXES (DOCUMENTATION)/\*INFORMATION DISSEMINATION/\*NASA PROGRAMS MINS: / AERONAUTICAL ENGINEERING/ AEROSPACE ENGINEERING/ CONTRACTS/ MISSION PLANNING/ PRELAUNCH SUMMARIES/ RESEARCH AND DEVELOPMENT ABA: A. R. H. A listing is presented of 271 news releases distributed by the Office of ARS: Public Affairs, NASA Headquarters and 72 selected speeches given by Headquarters staff in 1983. Subject and personal name indexes are arranged

alphabetically. Indexes to titles, news release numbers, and accession

numbers are arranged numerically.

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# Index to NASA News Releases and Speeches 1983

An index to selected speeches and news releases issued by NASA Headquarters during 1983.

This index was prepared by the NASA Scientific and Technical Information Facility operated for the National Aeronautics and Space Administration by PRC Government Information Systems.



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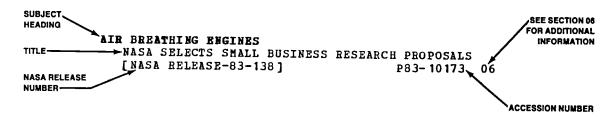
# **INTRODUCTION**

This issue of the *Index to NASA News Releases and Speeches* contains a listing of news releases distributed by the Office of Public Affairs, NASA Headquarters, and a selected listing of speeches presented by members of the Headquarters staff during 1983. This *Index* supplements the previous issues that were identified as *Index to NASA News Releases and Speeches 1963-1966*, and the Supplements for 1967 through 1982.

The *Index* is arranged in six sections -- Subject Index, Personal Names Index, News Release Number Index, Accession Number Index, Speeches, and New Releases.

Section 1 (Subject Index) contains subject headings arranged alphabetically that describe the contents of the items indexed. Under each heading, the user will find references, as applicable, to Speeches (05 for Section 5) and News Releases (06 for Section 6) containing information on that subject entry, and in many cases, cross-references to related subject headings.

An example of an entry from the Subject Index follows:



Two types of cross-references are used:

A) S for 'SEE' directs the user to a subject heading where references can be found, e.g.,

# COMSAT S COMMUNICATIONS SATELLITE CORP.

B) SA for 'SEE ALSO' directs the user to related subject headings where additional references may be found, e.g.,

# COMMUNICATION SATELLITES SA TELESAT SATELLITES

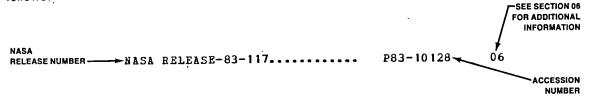
Section 2 (Personal Names Index) contains personal names arranged alphabetically that identify the persons mentioned in the items indexed or, in the cases of speeches, the persons that made the speeches.

An example of an entry from the Personal Names Index follows:



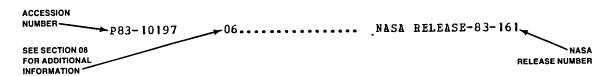
As indicated in the examples, each index entry in Sections 1 and 2 contains the title, accession number, and reference section.

Section 3 (News Release Number Index) lists all numbered NASA News Releases in numerical order with the corresponding accession numbers. An example of the News Release Number Index follows:



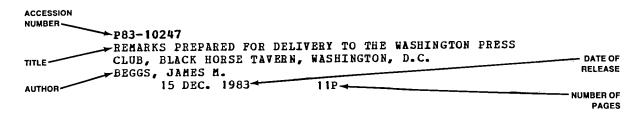
Section 4 (Accession Number Index) lists all items by accession number in numerical order with the corresponding reference section (05 for Speeches, 06 for News Releases), in which the item is described in detail, and the news release number, if any.

An example of the Accession Number Index follows:



Section 5 (Speeches) lists the speeches indexed in this publication, arranged in accession number order. Each entry contains the title of speech, speaker, date of release, and other reference information.

An example of an entry from the Speeches listing follows:



Section 6 (News Releases) lists the news releases, press briefings, news conference transcripts, and other public information releases indexed in this publication, arranged in accession number order. Each news release item contains the title, date of release, News Release Number (if any), and other reference information.

An example of an entry from the News Releases listing follows:



The contents of this index were printed by computer. This necessitates, in certain instances, the substitution of computer symbols for the more familiar printed symbols. These include the use of \* for ', 'Ques' for ?, and - for :. The symbols < and > immediately before and after the title of the entry tell the user that the entry was originally untitled and that a title was created by the compilers of the index. Finally, in Section 2 -- the Personal Names Index -- the symbol + is used to identify speeches presented by the person under whose name they are indexed.

Copies of documents cited in this index are available to NASA offices on request from the NASA Scientific and Technical Information Facility, P.O. Box 8757, B.W.I. Airport, Maryland, 21240. Requests for copies of the index itself should be addressed to the Scientific and Technical Information Branch, Code NIT-1, National Aeronautics and Space Administration, Washington, D.C. 20546.

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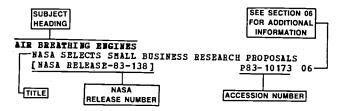
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INDEX TO NASA NEWS RELEASES AND SPEECHES 1983

**MARCH 1984** 

P83-10209 06

# Typical Subject Index Listing



The title of the news release or speech is used as the prime retrieval point. The accession number is located under and to the right of the title and is followed by a two-digit number which designates the reference section of the Index containing the complete citation.

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| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE  | P83-10208  | 06<br>CE  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130] NASA FORMS SPACE BIOMEDICAL RESEARC  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE  | RING<br>06                   |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  | P83-10208  | 06<br>CE<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130] NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  | P83-10148  CHANGES DUR  P83-10165  H INSTITUTE  P83-10203  | 06<br>06                     |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHANPTON. N.Y.   | P83-10208 P. HUBBLE SPAC   | 06<br>CE<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130] NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  | P83-10148  CHANGES DUR  P83-10165  H INSTITUTE  P83-10203  | 06<br>06                     |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE   | P83-10208 P. HUBBLE SPAC P83-10190   | 06<br>CE<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227   | 06<br>06<br>06               |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE   | P83-10208 P. HUBBLE SPAC P83-10190   | 06<br>CE<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227   | 06<br>06<br>06               |
| IRAS DISCOVERS GIART DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSHOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.I. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  | P83-10208 P. HUBBLE SPAC P83-10190 STUDENT P83-10103   | 06<br>CE<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130] NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227   | 06<br>06<br>06               |
| IRAS DISCOVERS GIART DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSHOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.I. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  | P83-10208 P. HUBBLE SPAC P83-10190 STUDENT P83-10103   | 06<br>CE<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]   | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227   | 06<br>06<br>06               |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  | P83-10208 P. HUBBLE SPACE P83-10190 STUDENT P83-10103 RCH PROPOSALS  | 06<br>CE<br>06<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]   | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271   | 06<br>06<br>06               |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMN. NASA SELECTS SHALL BUSINESS RESEA [NASA RELEASE-83-138]   | P83-10208 P. HUBBLE SPACE P83-10190 STUDENT P83-10103 RCH PROPOSALS  | 06<br>CE<br>06<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  FIGURE 1983 QUR FIRST QUARTER CENTUR ACHIEVEMENT-JUST THE BEGINNING  | P83-10148  CHANGES DUR P83-10165  H INSTITUTE P83-10203  N SICKNESS P83-10227  P83-10271  RY OF  | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-METRIC SYSTEMS, INC., MINN. NASA SELECTS SMALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFEEDBACK  | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  RCH PROPOSALS P83-10173   | 06<br>CE<br>06<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]   | P83-10148  CHANGES DUR P83-10165  H INSTITUTE P83-10203  N SICKNESS P83-10227  P83-10271  RY OF  | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMN. NASA SELECTS SHALL BUSINESS RESEA [NASA RELEASE-83-138]   | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  RCH PROPOSALS P83-10173   | 06<br>CE<br>06<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO. [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  FIOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTUL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]   | P83-10148  CHANGES DUR P83-10165  H INSTITUTE P83-10203  N SICKNESS P83-10227  P83-10271  RY OF  | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-METRIC SYSTEMS, INC., MINN. NASA SELECTS SMALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFERDBACK NIGHT LAUNCH AND LANDING SET FOR   | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  RCH PROPOSALS P83-10173   | 06<br>06<br>06<br>06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTULACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]   | P83-10148  CHANGES DUR P83-10165  H INSTITUTE P83-10203  N SICKNESS P83-10227  P83-10271  RY OF  | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSHOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-METRIC SYSTEMS, INC., MINN. NASA SELECTS SMALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFREDBACK NIGHT LAUNCH AND LANDING SET FOR  BIOGRAPHY  | P83-10208 P. HUBBLE SPACE P83-10190 STUDENT P83-10103 RCH PROPOSALS P83-10173 STS-8 P83-10130  | 06 06 06 06 06 B  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  GIOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTUL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  GIOSCIENCE S LIPE SCIENCES  | P83-10148  CHANGES DUR P83-10165  H INSTITUTE P83-10203  N SICKNESS P83-10227  P83-10271  RY OF  | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMM. NASA SELECTS SMALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFERBBACK NIGHT LAUNCH AND LANDING SET POR  BIOGRAPHY CHALLENGER FIRST FLIGHT TO DEPLOY FEATURE EVA  | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  BCH PROPOSALS P83-10173  STS-8 P83-10130  | 06 06 06 06 06 B  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  FLOSATELLITES  1958 - 1983 QUR FIRST QUARTER CENTUL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  FLOSCIENCE  S LIFE SCIENCES  SIOTECHNOLOGY  S LIFE SUPPORT SYSTEMS   | P83-10148  CHANGES DUR P83-10165  H INSTITUTE P83-10203  N SICKNESS P83-10227  P83-10271  RY OF  | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BIEGHAMPTON, M.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-METRIC SYSTEMS, INC., MINN. NASA SELECTS SMALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFERBBACK NIGHT LAUNCH AND LANDING SET FOR  BIOGRAPHY CHALLENGER FIRST FLIGHT TO DEPLOY FEATURE EVA  | P83-10208 P. HUBBLE SPACE P83-10190 STUDENT P83-10103 RCH PROPOSALS P83-10173 STS-8 P83-10130  | 06 06 06 06 06 B  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTU ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  HOSCIENCE S LIFE SCIENCES   | P83-10148  CHANGES DUR P83-10165  H INSTITUTE P83-10203  N SICKNESS P83-10227  P83-10271  RY OF  | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMM. NASA SELECTS SMALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFERBBACK NIGHT LAUNCH AND LANDING SET POR  BIOGRAPHY CHALLENGER FIRST FLIGHT TO DEPLOY FEATURE EVA  | P83-10208 P. HUBBLE SPACE P83-10190 STUDENT P83-10103 RCH PROPOSALS P83-10173 STS-8 P83-10130 TDRS-A AND P83-10047   | 06 CE 06 06 06 B 06 B 06  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  FIOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTU ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  FIOSCIENCE S LIPE SCIENCES  SIOTECHNOLOGY S LIFE SUPPORT SYSTEMS S MAN-SYSTEMS INTEGRATION  FIOTECHNOLOGY, INC., WASHINGTOW, D.C.  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271 RY OF P83-10167   | RING<br>06<br>06<br>06       |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSHOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, W.Y. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMM. NASA SELECTS SHALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFEEDBACK NIGHT LAUNCH AND LANDING SET FOR  BIOGRAPHY CHALLENGER FIRST FLIGHT TO DEPLOY FEATURE EVA [NASA RELEASE-83-36]   | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  RCH PROPOSALS P83-10173  STS-8 P83-10130  TDRS-A AND P83-10047  | 06 CE 06 06 06 B 06 B 06 B 06 B 06 B 06   | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC. [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTUL ACRIEVEMENT—JUST THE BEGINNING [NASA RELEASE-83-132]  HOSCIENCE S LIFE SCIENCES  HOTECHNOLOGY S LIFE SUPPORT SYSTEMS S MAN-SYSTEMS INTEGRATION  HOTECHNOLOGY, INC., WASHINGTOW, D.C. SPACE MEDICINE IS SUBJECT OF NEW NA  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271 RY OF P83-10167   | RING<br>06<br>06<br>06<br>06 |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSHOLOGY  SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, W.Y.  PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMM. NASA SELECTS SHALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFERDBACK NIGHT LAUNCH AND LANDING SET FOR  BIOGRAPHY CHALLENGER PIRST FLIGHT TO DEPLOY FEATURE EVA [NASA RELEASE-83-36]  NASA ESTABLISHES COMPUTER SCIENCE [NASA RELEASE-83-38]   | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  ECH PROPOSALS P83-10173  STS-8 P83-10130  TDRS-A AND P83-10047  INSTITUTE AT P83-10049  | 06 CE 06 06 06 B 06 B 06 B 06 B 06 B 06   | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTUL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  HOSCIENCE S LIFE SCIENCES  HOTECHNOLOGY SYSTEMS MAN-SYSTEMS INTEGRATION  HOTECHNOLOGY, INC., WASHINGTON, D.C. SPACE MEDICINE IS SUBJECT OF NEW NA  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271 RY OF P83-10167   | RING<br>06<br>06<br>06<br>06 |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMN. NASA SELECTS SHALL BUSINESS RESEA [NASA RELEASE-83-138]  BIOFERBBACK NIGHT LAUNCH AND LANDING SET POR  BIOGRAPHY CHALLENGER FIRST FLIGHT TO DEPLOY FEATURE EVA [NASA RELEASE-83-36]  NASA ESTABLISHES COMPUTER SCIENCE  | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  RCH PROPOSALS P83-10173  STS-8 P83-10130  TDRS-A AND P83-10047  SINSTITUTE AT P83-10049  STRATOR FOR  | 06 CE 06 06 06 06 B 06 B 06 B 06 B 06 B B 06 B B 06 B B B B                         | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC. [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTUL ACRIEVEMENT—JUST THE BEGINNING [NASA RELEASE-83-132]  HOSCIENCE S LIFE SCIENCES  HOTECHNOLOGY S LIFE SUPPORT SYSTEMS S MAN-SYSTEMS INTEGRATION  HOTECHNOLOGY, INC., WASHINGTOW, D.C. SPACE MEDICINE IS SUBJECT OF NEW NA  | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271 RY OF P83-10167   | RING<br>06<br>06<br>06<br>06 |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHANPTON, N.Y. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMM. NASA SELECTS SHALL BUSINESS RESEN [NASA RELEASE-83-138]  BIOFEEDBACK NIGHT LAUNCH AND LANDING SET FOR  BIOGRAPHY CHALLENGER PIRST FLIGHT TO DEPLOY FEATURE EVA [NASA RELEASE-83-36]  NASA ESTABLISHES COMPUTER SCIENCE [NASA RELEASE-83-38]  TEMPLETON NAMED ASSOCIATE ADMINIS  | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  ECH PROPOSALS P83-10173  STS-8 P83-10130  TDRS-A AND P83-10047  INSTITUTE AT P83-10049  | 06 CE 06 06 06 06 B 06 B 06 B 06 B 06 B B 06 B B 06 B B B B                         | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTULACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  HOSCIENCE S LIFE SCIENCES  HOTECHNOLOGY S LIFE SUPPORT SYSTEMS S MAN-SYSTEMS INTEGRATION  HOTECHNOLOGY, INC., WASHINGTON, D.C. SPACE MEDICINE IS SUBJECT OF NEW NA [NASA RELEASE-83-59]   | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271 RY OF P83-10167  SA BOOK P83-10070 H PROPOSALS                                | RING 06 06 06 06             |
| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSMOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, W.Y. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-HETRIC SYSTEMS, INC., HIMM. NASA SELECTS SHALL BUSINESS RESEM [NASA RELEASE-83-138]  BIOFEEDBACK NIGHT LAUNCH AND LANDING SET FOR  BIOGRAPHY CHALLENGER FIRST FLIGHT TO DEPLOY FEATURE EVA [NASA RELEASE-83-36]  NASA RELEASE-83-36]  TEMPLETON NAMED ASSOCIATE ADMINIS EXTERNAL RELATIONS [NASA RELEASE-83-67]   | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  ECH PROPOSALS P83-10173  STS-8 P83-10130  TDRS-A AND P83-10047  SINSTITUTE AT P83-10049  STRATOR FOR P83-10078  | 06 CE 06 06 06 06 B 06 B 06 B 06 B 06 B 06 B  | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HOSATELLITES 1958 - 1983 QUR FIRST QUARTER CENTULACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  HOSCIENCE S LIFE SCIENCES  HOTECHNOLOGY S LIFE SUPPORT SYSTEMS S MAN-SYSTEMS INTEGRATION  HOTECHNOLOGY, INC., WASHINGTON, D.C. SPACE MEDICINE IS SUBJECT OF NEW NA [NASA RELEASE-83-59]   | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271 RY OF P83-10167   | RING 06 06 06 06             |
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| IRAS DISCOVERS GIANT DUST SHELL A BETTELGEUSE [NASA RELEASE-83-172]  BIG-BANG COSHOLOGY SPACE TELESCOPE RENAMED AS EDWIN TELESCOPE [NASA RELEASE-83-155]  BINGHAMPTON, W.Y. FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  BIO-METRIC SYSTEMS, INC., MINN. NASA SELECTS SMALL BUSINESS RESEN [NASA RELEASE-83-138]  BIOFEDBACK NIGHT LAUNCH AND LANDING SET POR  BIOGRAPHY CHALLENGER FIRST FLIGHT TO DEPLOY FEATURE EVA [NASA RELEASE-83-36]  NASA ESTABLISHES COMPUTER SCIENCE [NASA RELEASE-83-38]  TEMPLETON NAMED ASSOCIATE ADMINIS EXTERNAL RELATIONS [NASA RELEASE-83-67]  LANGLEY RESEARCHER NAMED NASA INV  AMBITIOUS STS-7 HISSION TO FEATUR AT KENNEDY  | P83-10208  P. HUBBLE SPACE P83-10190  STUDENT P83-10103  RCH PROPOSALS P83-10173  STS-8 P83-10130  TDRS-A AND P83-10047  SINSTITUTE AT P83-10049  STRATOR FOR P83-10078  ENTORY OF THE P83-10080                           | 06 CE 06 06 06 06 06 B 06 B 06 B 06 B 06 WEAR 06 B 06 | EXERCISE AND DIET MAY CONTROL BLOOD WEIGHTLESSNESS [NASA RELEASE-83-130]  NASA FORMS SPACE BIOMEDICAL RESEARC [NASA RELEASE-83-167]  NASA INVESTIGATES NEW LINK IN MOTIO [NASA RELEASE-83-191]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-132]  HIGHLIGHT SUPPORT SYSTEMS [NASA RELEASE-83-132]  HIGHLIGHT SUPPORT SYSTEMS [NASA RELEASE-83-59]  HISOPHERICAL INSTRUMENTS, INC., CALIP. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  HACK BRANT SOUNDING ROCKETS [STS-7 PREFLIGHT BRIEFINGS: OSTA-2]  HOEING AEROSPACE CO., KENT, WASH.                         | P83-10148 CHANGES DUR P83-10165 H INSTITUTE P83-10203 N SICKNESS P83-10227 P83-10271 RY OF P83-10167  SA BOOK P83-10070 H PROPOSALS P83-10173                      | RING 06 06 06 06 06          |
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| RECYCLING COULD SAVE MONEY FOR P   | UTURE NASA SPAC                     | CE            | ORBITER ENTERPRISE TO BE DISPLAYED IN WASHINGTO<br>[NASA RELEASE-83-89] P83-10100                   | 0N<br>06 |
|--|-------------------------------------|---------------|---|----------|
| MISSIONS<br>[NASA RELEASE-83-29]   | P83-10040                           | 06            |   |          |
|  |                                     |               | ENTERPRISE TO FLY OVER D.C. METROPOLITAN AREA, LAND AT DULLES [NASA RELEASE-83-93] P83-10104        |          |
| TECUNICAL SYMPOSIUM WASHINGTON.  | D. C.                               |               |   |          |
| BORING COMMERCIAL AIRPLANE CO., WAS  | P03-10241                           | 03            | SHUTTLE ORBITER ENTERPRISE TO BE SHOWN AT NEW ORLEANS EXPOSITION [NASA RELEASE-83-188] P83-10224    | 06       |
| QSRA WILL BE SHOWN AT PARIS AIR : [NASA RELEASE-83-60]   | SHOW<br>P83-10071                   | 06            | HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271                                       | 06       |
| PARTE CRAN THERRY COCOL PRICE  | PI A                                |               | BONNEVILLE SCIENTIFIC, UTAH   |          |
| WORK [NASA RELEASE-83-123]   |                                     |               | NASA SELECTS SMALL BUSINESS RESEARCH PROPUSALS  | 06       |
| NASA SELECTS PACILITY OPERATIONS [NASA RELEASE-83-125]   | P83-10160                           | 06            | S LAUNCH VEHICLES   |          |
| BORING 727 AIRCRAPT  |                                     |               | BRAIN   |          |
| BOEING 727 AIRCRAFT NASA RESHAPES TURBOPROFS TO EXTE   | P83-10210                           | 06            | PINALISTS CHOSEN IN THIRD SHUTTLE STUDENT INVOLVERENT PROJECT [NASA RELEASE-83-92] P83-10103        | 06       |
| BORING 737 AIRCRAPT ELECTRONIC ADVANCES USED FOR DES   | K TOP COCKPIT                       |               | BRAKES  |          |
| SIMULATOR<br>[NASA RELEASE-83-170]   | P83-10206                           | 06            | STS-6 CARRIES LANGLEY ORBITER EXPERIMENT [NASA RELEASE-83-45] P83-10056                             | 06       |
| NASA RESHAPES TURBOPROPS TO EXTE   | ND FUEL SAVING                      |               | STS-6 POSTFLIGHT CREW CONFERENCE P83-10135  | 05       |
| (NASA RELEASE-83-174)  | P83-10210                           | 06            | STS-7 POSTFLIGHT CREW PRESS CONFERENCE  |          |
| BORING 747 AIRCRAFT ORBITER ENTERPRISE AND QSRA TO B   | E EXHIBITED IN                      | PARIS         | P83-10148   | 05       |
| [NASA RELEASE-83-65]   | P83-10076                           | 06            | STS-8 PLIGHT PLAN BRIEFING P83-10150  |          |
| NASA SLATES MAJOR PARIS AIR SHOW [NASA RELEASE-83-73]  | ACTIVITIES<br>P83-10084             | 06            | STS-8 PREFLIGHT CREW CONFERENCE P83-10152  BRAZIL   | 05       |
| ORBITER ENTERPRISE TO BE FLOWN T [NASA RELEASE-83-83]  | O ROME                              |               | INTERGUYERNMENTAL MEETING OF SPACE TECHNOLOGI   |          |
| FRENCH PRESIDENT VISITS ORBITER  | ENTERPRISE AT                       |               |   | •        |
| PARIS AIR SHOW<br>[NASA RELEASE-83-84]   | P83-10095                           |               | NASA TO LAUNCH THREE VAPOR EXPERIMENTS [NASA RELEASE-83-160] P83-10196                              | 06       |
| ORBITER ENTERPRISE TO BE DISPLAY [NASA RELEASE-83-89]  | P83-10100                           | 06            | HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271                                       | 06       |
| ENTERPRISE TO FLY OVER D.C. METF   |                                     |               | BRIDGES S BROOKLYN BRIDGE, N.Y.   |          |
| [NASA RELEASE-83-93]   | P83-10104                           | 06            | BRISTOL UNIV., ENGLAND  |          |
| SHUTTLE ORBITER ENTERPRISE TO BI   |                                     |               | STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS   |          |
| ORLEANS EXPOSITION [NASA RELEASE-83-188]   | P83-10224                           | 06            | [NASA RELEASE-83-173] P83-10209   | 06       |
| HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  | P83-10271                           | 06            | BRITISH AEROSPACE CORP. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION                 |          |
| BOEING-VERTOL, PHILADELPHIA, PA.   | TE MO DEDUCE                        |               | [NASA RELEASE-83-173] P83-10209   | 06       |
| NEW RESEARCH PROGRAM TO STUDY WI<br>HELICOPTER NOISE<br>[NASA RELEASE-83-18]                   | P83-10018                           | 06            | BRONY, N.Y. FINALISTS CHOSEN IN THIRD SHUTTLE STUDENT   |          |
| BOGOR AGRICULTURAL INSTITUTE, INDO   |                                     |               | INVOLVEMENT PROJECT [NASA RELEASE-83-92] P83-10103  | 06       |
| NASA AWARDS CONTRACT FOR INDONES   | SIAN COMMUNICAT                     | TIONS         | BROOKLYN BRIDGE, N.Y.   |          |
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| DHC 5 AIRCRAPT TWO CANADIANS RESCUED IN FIRST ASSIST BY AMERICAN                                      | NAMED [NASA RELEASE-83-105] P83-10116 06   |
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| SATURN<br>[NASA RELEASE-83-71] P83-   | GO.                      | ES /GEOSTAT. OPERATIONAL ENVIRON. SAT<br>NASA TRANSPERS LANDSAT OPERATIONS, M<br>NOAA | ANAGEMENT TO                    |
| NASA SLATES MAJOR PARIS AIR SHOW ACTIVIT:<br>[NASA RELEASE-83-73] P83-  | 10084 06                 | [NASA RELEASE-83-7]   | P83-10007 06                    |
| NASA TO LAUNCH EUROPEAN X-RAY OBSERVATOR:<br>[NASA RELEASE-83-74] P83-  | / SATELLITE              | GOES-F LAUNCH SET FOE APRIL 28 [NASA RELEASE-83-63]                                   | P83-10074 06                    |
|   |                          | 1958 - 1983 OUR FIRST QUARTER CENTUR<br>ACHIEVEMENTJUST THE BEGINNING                 | Y OF                            |

| [NASA RELEASE-83-132] P83-1  | 0167 06                | STS-9 SCIENCE BRIEFING   | P83-10245                 | 05  |
|--|------------------------|--|---------------------------|-----|
| GOLDSTONE TRACKING STATION, CALIF.  NEW EFFORTS BEING MADE TO COMMUNICATE WIT [NASA RELEASE-83-66] P83-1               | H VIKING 1<br>0077 06  | SUGGESTED REMARKS: RECRUIT GRADUAT: GREAT LAKES NAVAL TRAINING CENTER, I                           |                           | 05  |
| COMMUNICATIONS SATELLITE BOOSTED INTO GEOSYNCHRONOUS ORBIT [NASA RELEASE-83-104] P83-1                                 |                        | GRONINGEN UNIV., METHERLANDS NASA TO LAUNCH COOPERATIVE INTERNAT: [NASA RELEASE-61]                | IONAL SATELI<br>P83-10001 |     |
| GOLDSTONE, CALIF.  1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]  P83-1 | 0167 06                | IRAS DISCOVERS GIANT DUST SHELL AROUBETTELGEUSE [NASA RELEASE-83-172] GROSS NATIONAL PRODUCT, U.S. | UND THE STAP<br>P83-10208 |     |
| GOODYEAR AEROSPACE COEP., AKRON, OHIO STS-9 TO CARRY EUROPEAN-BUILT SPACELAE ON FIRST MISSION                          |                        | BEMARKS PREPARED FOR DELIVERY TO THE<br>PRESS CLUB, BLACK HORSE TAVERN, WAS:                       |                           | C   |
| GOOSE BAY, LABRADOR, CAMADA  | 0209 06                | SUGGESTED REMARKS: SOUTH SHORE CHA. COMMERCE, RANDOLPH, MASSACHUSETTS                              |                           | 05  |
| ORBITER ENTERPRISE TO TOUR U.S. AND EUROI [NASA RELEASE-83-75] P83-1 ENTERPRISE TO FLY OVER D.C. METROPOLITAN          | 0090 06                | SUGGESTED REMARKS: BURLINGTON COUNDEVELOPMENT COMMITTEE, NEW JERSEY                                |                           |     |
| LAND AT DULLES   | 0104 06                | GROUND OPERATIONAL SUPPORT SISTEM PROPOSALS REQUESTED FOR SHUTTLE PROCONTRACTING                   |                           |     |
| GOSS S GROUND OPERATIONAL SUPPORT SYSTEM   |                        | [NASA RELEASE-83-3]  | P83-10003                 | 06  |
| GRAND RAPIDS, HICH. STS-7 PREFLIGHT CREW PRESS CONFERENCE  |                        | (  | N JAPAN<br>P83-10005      | 06  |
| P83-   | 10142 05               | SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]   | P83-10229                 | 06  |
| SUGGESTED REMARKS: PUND FOR HIGHER EDUCI<br>TRIBUTE TO NASA, LOS ANGELES, CALIFORNIA                                   | TION'S<br>10133 05     | GROUDD STATIONS SA VILLAPRANCA GROUND STATION, SPAI  |                           |     |
| GRAVITATIONAL EFFECTS SUGGESTED STATEMENT: IRAS PRESS CONFERE!   | ICP                    | LANDSAT 4 X-BAND COMMUNICATIONS PRO<br>[NASA RELEASE-83-20]  | P83-10020                 | 06  |
|  | 10232 05               | STS-6 BRIEFING ON TDRSS  | P83-10034                 | 05  |
| GRAVITATIONAL FIELDS TWO VENUS RADAR MAPPER CONTRACTS AWARDED  |                        | SEARCH AND RESCUE INSTRUMENTATION T  |                           |     |
| [NASA RELEASE-83-182] P83-   | 10218 06               | [NASA RELEASE-83-35]   | P83-10046                 | 06  |
| GRAVITATIONAL WAVES SUGGESTED REMARKS: PIONEER 10 RECEPTION AIR AND SPACE MUSEUM P83-                                  | , NATIONAL<br>10146 05 | CHALLENGER FIRST FLIGHT TO DEPLOY T<br>FEATURE EVA<br>[NASA RELEASE-83-36]                         | P83-10047                 | 06  |
| GRAVITY SA LOW GRAVITY SA WEIGHTLESSNESS   |                        | NASA TO LAUNCH RCA SATCOMIR [NASA RELEASE-83-44]   | P83-10055                 | 06  |
| PIONEER 10 SPACECRAFT DEPARTS SOLAR SYST:<br>[NASA RELEASE-83-91] P83-   | 3M<br>10102 06         | NEW COMET DISCOVERED BY IRAS SCIENT [NASA RELEASE-83-70]   | P83-10081                 | 06  |
| FINALISTS CHOSEN IN THIRD SHUTTLE STUDENT INVOLVEMENT PROJECT  | r                      | COLUMBIA BEING MODIFIED TO CARRY SP [NASA RELEASE-83-27]   | P83-10083                 | 06  |
|  | 10103 06               | NASA AND ESA ANMOUNCE RESCHEDULE OF<br>LAUNCH  | SPACELAB 1                |     |
| STS-9 PREFLIGHT SPACELAB PRESS CONFERENC<br>P83-   | E<br>10244 05          | [NASA RELEASE-83-114]  | P83-10125                 |     |
| NASA'S ISEE-3 IS FIRST SPACECRAFT FLIGHT [NASA RELEASE-83-196] P83-  |                        | STS-6 POSTFLIGHT CREW CONFERENCE TDRSS TRANSMITS LANDSAT 4 THERMATIC                               | HAPPER IMA                | GES |
| GREAT BRITAIN S ENGLAND  |                        | [NASA RELEASE-83-127]  1958 - 1983 OUR FIRST QUARTER CENTU   | P83-10162                 | U6  |
| GREECE   |                        | ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]   | P83-10167                 | 06  |
| REMARKS PREPARED FOR DELIVERY TO THE WAS<br>PRESS CLUB, BLACK HORSE TAVERN, WASHINGT<br>P83-                           |                        | SUGGESTED REMARKS: JSC HONOR AWARD JOHNSON SPACE CENTER, HOUSTON, TEX.                             |                           | 05  |
| GREENCASTLE, IND. SHUTTLE CREWS SELECTED [NASA RELEASE-83-142] P83-  | 10177 06               | STS-9 PREPLIGHT BRIEFING (PLIGHT DI  | RECTOR)<br>P83-10257      | 05  |
| GREENWOOD, S.C.  |                        | STS-8 PREFLIGHT BRIEFING: TDRS USE   | P83-10258                 | 05  |
| STS-6 PREFLIGHT GETAWAY SPECIAL BRIEFING<br>P83-   | 10030 05               | NASA AWARDS CONTRACT FOR INDONESIAN<br>TERMINAL<br>[NASA RELEASE-83-195]                           | P83-10262                 |     |
| GRO/GAMMA RAY OBSERVATORY/ PROPOSED REMARKS: THE U.S. SPACE PROGRA DO WE GO FROM HERE P83-                             | M WHERE<br>10147 05    | LASER SYSTEMS TO STUDY ITALIAN EARY [NASA RELEASE-83-203]  | THQUAKES<br>P83-10270     | 06  |

| SUGGESTED REMARKS: GANNETT MANAGE WASHINGTON, D.C.   | P83-10273                | 3 05        | HAWLEY, PA.  NASA TO LAUNCH TELSTAR 3A COMMUNICA:   | TIONS SATE               | LLITE       |
|--|--------------------------|-------------|---|--------------------------|-------------|
| GROUND SUPPORT EQUIPMENT S TRACKING AND DATA ACQUISITION   |                          |             | [NASA RELEASE-83-110]  HCHM /HEAT CAPACITY HAPPING MISSION/   |                          | 06          |
| GROUND SUPPORT EQUIPMENT S TRACKING AND DATA ACQUISITION  GSPC S GODDARD SPACE FLIGHT CTR., GREE     | NBELT, MD.               |             | 1958 - 1983 OUR FIRST QUARTER CENTUM<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]      |                          | 06          |
| GTI CORP., SAN DIEGO, CALIP.  NASA AND GTI CONCLUDE JOINT ENDEAV [NASA RELEASE-83-23]                |                          |             | HEAD-UP DISPLAYS STS-8 PREPLIGHT CREW CONFERENCE  |                          |             |
| GULF HARBORS, FLA. SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]                                      |                          |             | HEADQUARTERS, NASA, WASHINGTON, D.C.<br>NASA TO LAUNCH COOPERATIVE INTERNATI<br>[NASA RELEASE-83-1] | IONAL SATEL<br>P83-10001 | LITE<br>06  |
| GULF OF HEXICO GOES-F LAUNCH SET FOR ADDIT 29  |                          |             | NASA TO HOLD BRIEFING ON LANDSAT IMP<br>[NASA RELEASE-83-6]   |                          |             |
| (NASA RELEASE-83-63) GULF STREAM   |                          | •           | CHALLENGER FIRST FLIGHT TO DEPLOY TO PEATURE EVA [NASA RELEASE-83-36]                               |                          | 06          |
| SUGGESTED REMARKS: D.C. COUNCIL, SARLINGTON, VIRGINIA  | THE NAVY LE<br>P83-10250 | AGUE,<br>05 |   |                          |             |
| GYROSCOPES STS-7 PREPLIGHT BACKGROUND BRIEPING   | SS: SPAS                 |             | SRB REFURBISHMENT FACILITY TO REMAIN  |                          |             |
| ARLINGTON, VIRGINIA  GIROSCOPES  STS-7 PREPLIGHT BACKGROUND BRIEPING                                 | P83-10139                | 05          | SPACE CENTER [NASA RELEASE-83-48]   |                          |             |
| HALLEY'S COMET   |                          |             | GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]   | P83-10074                | 06          |
| NEW COMET DISCOVERED BY IRAS SCIENT  |                          |             |   | ATORY SATE<br>P83-10085  | LLITE<br>06 |
| NASA'S ISEE-3 IS FIRST SPACECRAFT F [NASA RELEASE-83-196]  | 'LIGHT TO A<br>P83-10263 | O6<br>O6    | INTELSAT COMMUNICATIONS SATELLITE SC<br>LAUNCH<br>[NASA RELEASE-83-77]                              |                          |             |
| HAMBURG UNIV., GERMANY STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION                             | LAR ON TTS               |             | IMPIRATORS SMS 7 MISSION SO TRANSPORT   |                          |             |
| [NASA RELEASE-83-173]  | P83-10209                | 06          | AMBITIOUS STS-7 MISSION TO FEATURE P<br>AT RENNEDY<br>[NASA RELEASE-83-87]                          |                          |             |
| HAMILTON STANDARD STS-6 PREPLIGHT BRIEFING/SUIT PAILU  | RE REPORT<br>P83-10032   | 05          | PINALISTS CHOSEN IN THIRD SHUTTLE ST<br>INVOLVEMENT PROJECT<br>[NASA RELEASE-83-92]                 |                          | 0.6         |
| STS-9 TO CARRY EUROPEAN-BUILT SPACE  |                          |             | _   | 203-10103                | 06          |
| PIRST MISSION [NASA RELEASE-83-173]  |                          | 06          | ·   | P83-10112                |             |
| HAMOVER TRADE PAIR, HAMMOVER, W. GER.<br>NASA TO EXHIBIT AT THE HANOVER TRAD<br>[NASA RELEASE-83-46] | E FAIR                   | 06          | NASA TO LAUNCH TELSTAR 3A COMMUNICAT [NASA RELEASE-83-110]  | P83-10121                | O6          |
| HARRIS CORP. MELBOURNE PLA   |                          |             |   | -8<br>P83-10130          | 06          |
| STS-9 TO CARRY EUROPEAN-BUILT SPACE<br>FIRST MISSION<br>[NASA RELEASE-83-173]                        |                          |             | JET PROPULSION LABORATORY CONTRACT E. [NASA RELEASE-83-122]   | P83-10157                |             |
| HARVARD MEDICAL SCHOOL, BOSTON, HASS.<br>STS-9 TO CARRY EUROPEAN-BUILT SPACE                         | LAB ON ITS               |             | SPACE TELESCOPE RENAMED AS EDWIN P. 1<br>TELESCOPE<br>[NASA RELEASE-83-155]                         | HUBBLE SPAC<br>P83-10190 |             |
|  | P83-10209                | 06          | INTERNATIONAL SUN-EARTH EXPLORER (IS: RENAMED   |                          |             |
| HASSAN, INDIA<br>STS-8 FLIGHT PLAN BRIEFING  | P83-10150                | 05          |   | P83- 10264               |             |
| HAWAII  NASA TO LAUNCH GALAXY-A SATELLITE [NASA RELEASE-83-101]                                      | P83-10112                |             | NASA TAKES FIRST STEPS TOWARDS FLYING<br>SPACE<br>[NASA RELEASE-83-198]                             | G CIVILIANS<br>P83-10265 |             |
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| NASA SELECTS CONTRACTOR FOR GODDARD [NASA RELEASE-83-121]  | LASER NETW<br>P83-10156  | ORK<br>06   | STS-7 POSTFLIGHT CREW PRESS CONFERENCE  |                          |             |
| HAWAII DHIY.   |                          |             | 000 0 000000  | 83-10148                 |             |
| PLANETARY EXPLORATION THROUGH YEAR (NASA RELEASE-83-50]  | 2000 OUTLIN<br>P83-10061 |             | STS-9 PREFLIGHT HOW-TO-COVER BRIEFING   |                          | US          |
| HAWAII UNIV., HOHOLULU 1958 - 1983 OUR FIRST QUARTER CENTU: ACHIEVEMENTJUST THE BEGINNING            | RY OF                    |             | HEALTH /EDUC. TELECOMMUNICATION RIPT./  | 283-10246                | 05          |
|  | P83-10167                | 06          | 1958 - 1983 OUR PIRST QUARTER CENTURY<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]     | 7 OP<br>183-10167        | 06          |

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| HEAO /HIGH ENERGY ASTRONOMICAL OBS./ SA HEAO-2 SA HEAO-3 IRAS DISCOVERS TWO REGIONS WHERE STARS ARE BEI BORN [NASA RELEASE-83-81] P83-10092  | 06    |
|--|-------|
| SA HEAO-3 BORN [NASA RELEASE-83-81] P83-10092  | 06    |
|  |       |
|  |       |
| ACHIEVEMENTJUST THE BEGINNING BALLOON DROP TEST FOR JUPITER ATMOSPHERE ENTRY   |       |
| [NASA RELEASE-83-132] P83-10167 06 SPACECRAFT [NASA RELEASE-83-109] P83-10120  | 06    |
| HEAO-B S HEAO-2 INFRARED ASTRONOMICAL SATELLITE TO CEASE OPERA [NASA RELEASE-83-181] P83-10217   | TIONS |
| HEAO-C   |       |
| 5 HEAO-3 HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271 HEAO-2  | 06    |
| NASA ISSUES ANNOUNCEMENT OF OPPORTUNITY FOR X-RAY OBSERVATORY  HELHETS STS-6 PREFLIGHT BRIEFING ON EVA P83-10033   | 05    |
| [NASA RELEASE-83-154] P83-10189 06 HEMOGLOBIN  |       |
| REQUEST FOR PROPOSALS ISSUED FOR X-RAY OBSERVATORY [NASA RELEASE-83-175] P83-10211 06 INVOLVEMENT PROJECT [NASA RELEASE-83-92] P83-10103   | 06    |
| HRAO-3 OBJECT IN MILKY WAY EMITS GAMMA RADIATION STS-7 BACKGROUND BRIEFING: CFES P83-10138   | ΛE    |
| OBJECT IN MILKY WAY EMITS GAMMA RADIATION STS-7 BACKGROUND BRIEFING: CFES P83-10138 [NASA RELEASE-83-56] P83-10067 O6 HEW  | US    |
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| SUGGESTED REMARKS: INTERNATIONAL PLATFORM ASSOCIATION P83-10154 05 HIGH ENERGY ASTRONOMICAL OBSERVATORY S HEAO /HIGH ENERGY ASTRONOMICAL OBS./   |       |
| HEAT CAPACITY MAPPING MISSION S HEAO-2 S HCMM /HEAT CAPACITY MAPPING MISSION/ S HEAO-3   |       |
| HEAT EXCHANGERS HIGH ENERGY ASTRONOMY OBSERVATORY 3  |       |
| NASA TESTS NEW REFRIDGERATION SYSTEM S HEAO-2 [NASA RELEASE-83-115] P83-10126 06   |       |
| HEAT PLOW STS-6 CARRIES LANGLEY ORBITER EXPERIMENT S HEAT TRANSPER [NASA RELEASE-83-45] P83-10056  | 06    |
| HEAT PIPES  NIGHT LAUNCH AND LANDING SET FOR STS-8  P83-10130 06  HIGHLY MANEUVERABLE AIRCRAFT TECH.  SUGGESTED REMARKS: NATIONAL SPACE CLUB, P83-10134  | 05    |
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| HEAT RADIATORS STS-9 CHANGE-OF-SHIFT BRIEFING P83-10235 05 HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271   |       |
| HEAT SHIELDS   | •     |
| BALLOON DROP TEST FOR JUPITER ATMOSPHERE ENTRY  SPACECRAFT  S HIGHLY MANEUVERABLE AIRCRAFT TECH.   |       |
| (NASA RELEASE-83-109) P83-10120 06   |       |
| TEST OF GALLLEO JUPITER PROBE SPACECRAPT A SUCCESS EXPLORER 1 LAUNCH ELEVATED NATION'S MOBALE 25 [NASA RELEASE-83-1171 P83-10128 06 YEARS AGO  |       |
| [NASA RELEASE-83-117] P83-10128 06 YEARS AGO<br>[NASA RELEASE-83-10] P83-10010   | 06    |
| HEAT TRANSFER  SUGGESTED REMARKS: HONOR AWARDS CEREMONY, LEWIS RESEARCH CENTER  P83-10237 05  NEW EFFORTS BEING MADE TO COMMUNICATE WITH VII  (NASA RELEASE-83-66] P83-10077   |       |
|  |       |
| HELICOPTER ASSOCIATION INTERNATIONAL  NEW RESEARCH PROGRAM TO STUDY WAYS TO REDUCE  NEW RESEARCH PROGRAM TO STUDY WAYS TO REDUCE  TELECAST ON SATELLITE  |       |
| HELICOPTER NOISE [NASA RELEASE-83-136] P83-10171   | 06    |
| [NASA RELEASE-83-18] P83-10018 O6 STANDARD PHRASEOLOGY ON THE SPACELAB DEVELOPM  | ENT   |
| HELICOPTERS SA RSRA /ROTOR SYSTEMS RESEARCH AIRCRAFT/  |       |
| NEW RESEARCH PROGRAM TO STUDY WAYS TO REDUCE STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS   |       |
| HELICOPTER NOISE  [NASA RELEASE-83-18]  P83-10018  O6  [NASA RELEASE-83-173]  P83-10209  | 06    |
|  |       |
| HIGHLIGHTS OF 1983 ACTIVITIES  [NASA RELEASE-83-204]  P83-10271 06  HOLLANDSE SIGNALAPPARATEN  NASA TO LAUNCH COOPERATIVE INTERNATIONAL SATE  [NASA RELEASE-83-1]  P83-10001   |       |
| HELIOSPHERE  |       |
| PIONEER 10 BEYOND THE KNOWN PLANETS  [NASA RELEASE-83-39]  P83-10050 06  HOLMES AND MARVER, COCOA BEACH, FLA.  NASA SELECTS PACILITY OPERATIONS CONTRACTOR POR PACILITY OPERATIONS CONTRACTOR PACILITY OPERATIONS CONTRACTOR PACILITY OPERATIONS CONTRACTOR PACILITY OPERATIONS CONTRACTOR PACILITY OPER |       |
| PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57] P83-10068 06 HOLOGRAPHY   |       |
| 3-D MOVIES AID JET ENGINE RESEARCHERS AT NASA SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL [NASA RELEASE-83-68] P83-10079 AIR AND SPACE MUSEUM P83-10146 05   |       |

|  | REMONY, LEWIS<br>P83-10237 05   | HUGHES AIRCRAFT CO., LOS ANGELES, CALL<br>NASA SELECTS CONTRACTOR FOR GODDARI<br>[NASA RELEASE-83-121] | F.<br>LASER NETWORK<br>P83-10156 06 |
|--|---------------------------------|--|-------------------------------------|
| HONEYWELL ARROSPACE DIV., FLA. INTELSAT COMMUNICATIONS SATELLITE S LAUNCH [NASA RELEASE-83-77]   | CHEDULED FOR P83-10088 06       | HUGHES AIRCRAFT CO., TORRANCE, CALIF. NASA TO LAUNCH RCA SATCOMIR [NASA RELEASE-83-44]                 | P83-10055 06                        |
| HONEYWELL, INC., MINNEAPOLIS, MINN. NASA RESEARCH TO HELP THE SINGLE PI                          |                                 | NEW SYSTEM WOULD DOUBLE CAPACITY OF<br>COMMUNICATIONS SATELLITES                                       | NEW                                 |
| •  | P83-10129 06                    | HUGHES COMMUNICATIONS SERVICE, INC.  | P83-10188 06                        |
| HONG KONG, CHIMA  TELEPHONE SERVICE TO BE AVAILABLE F MISSION [NASA DELPASE_92_101]              |                                 |  | P83-10176 06                        |
| [NASA RELEASE-83-184] HORMONES STS-8 PREFLIGHT BRIEFING: CFES                                    | P83-10220 06                    | NASA TO LAUNCH SECOND GALAXY SATELI  | ITE<br>P83-10176 06                 |
| EXERCISE AND DIET MAY CONTROL BLOOD  |                                 | TWO VENUS RADAR MAPPER CONTRACTS AN [NASA RELEASE-83-182]  | MARDED P83-10218 06                 |
|  | P83-10165 06                    | NASA TO HAVE RECORD BREAKING 1984 1 [NASA RELEASE-83-202]  | AUNCH SCHEDULE<br>P83-10269 06      |
| HOUSTON UNIV., TEX.  NEW COMPUTER LANGUAGE TO BE TESTED SPACE CENTER [NASA RELEASE-83-108]       | AT JOHNSON<br>P83-10119 06      | HUMAN PACTORS ENGINEERING NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]                    |                                     |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING                             |                                 | ELECTRONIC ADVANCES USED FOR DESK T  |                                     |
| [NASA RELEASE-83-132]  | P83-10167 06                    | [NASA RELEASE-83-170]  | P83-10206 06                        |
| HOUSTON, TEX. STS-7 POSTFLIGHT CREW PRESS CONFERE  | NCE<br>P83-10148 05             | HUNACAYO OBSERVATORY, PERU<br>INTERNATIONAL ROCKET EXPERIMENTS TO<br>[NASA RELEASE-83-24]              | ) BE HELD IN PERC<br>P83-10024 06   |
| HTL K-WEST, SANTA AWA, CALIF. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION                  | LAB ON ITS                      | HUNTSVILLE, ALA.  PINALISTS CHOSEN IN THIRD SHUTTLE S INVOLVEMENT PROJECT                              | TUDENT                              |
|  | P83-10209 06                    |  | P83-10103 06                        |
| HUBBLE'S LAW SPACE TELESCOPE RENAMED AS EDWIN P. TELESCOPE                                       |                                 | HURRICANES GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]   | P83-10074 06                        |
| HUGH L. DRYDEN FLIGHT RESEARCH CERTER  | P83-10190 06                    | SUGGESTED REMARKS: JSC HONOR AWARD JOHNSON SPACE CENTER, HOUSTON, TEX.                                 |                                     |
| S DRYDEN FLIGHT RESEARCH CENTER, C   | ALIF.                           | HUYGENS LABORATORY, LEIDEN   |                                     |
| HUGHES AEROSPACE CORP. SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]                              | P83-10177 06                    | NASA TO LAUNCH COOPERATIVE INTERNAT<br>[NASA RELEASE-83-1]   | P83-10001 06                        |
| HUGHES AIRCRAFT CO.  NASA TO LAUNCH GALAXY-A SATELLITE [NASA RELEASE-83-101]                     | D02 10112 06                    | HYDRAULIC EQUIPMENT  NASA STUDIES EFFECTS OF LIGHTNING O [NASA RELEASE-83-150]                         |                                     |
| STS-7 PREFLIGHT CREW PRESS CONFEREN  | P83-10112 06 CE P83-10142 05    | HYDRAZINE<br>STS-11 EVA TIMELINE BRIEFING  | P83-10275 05                        |
| ONE OF TDES' KU-BAND ANTENNA SYSTEM<br>PROBLEMS  |                                 | HYDRIDES NASA TESTS NEW REFRIDGERATION SYSTE [NASA RELEASE-83-115]                                     | M<br>P83-10126 06                   |
| [NASA RELEASE-83-176]  | P83-10212 06                    | HYDROCHLORIC ACID  | 100 10120 00                        |
| HUGHES AIRCRAFT CO., EL SEGUEDO, CALIF<br>GOES-F LAUNCH SET FOR APRIL 28<br>[NASA RELEASE-83-63] | •<br>P83-10074 06               | LARGEST MULTIPLE BALLOON LAUNCH REA  | DY TO GO<br>P83-10073 06            |
| AMBITIOUS STS-7 MISSION TO FEATURE<br>AT KENNEDY   |                                 | HYDROGEN SA DEUTERIUM SA LIQUID HYDROGEN   |                                     |
| [NASA RELEASE-83-87] BALLOON DROP TEST FOR JUPITER ATMOS   | P83-10098 06 PHERE ENTRY        | SECOND FLIGHT READINESS FIRING SCHE  | DULED<br>P83-10002 06               |
| SPACECRAFT   | P83-10120 06                    | SECOND TEST FIRING OF CHALLENGER EN  |                                     |
| TEST OF GALILEO JUPITER PROBE SPACE [NASA RELEASE-83-117]  | CRAPT A SUCCESS<br>P83-10128 06 | JAN. 25  | P83-10004 06                        |
| POSSIBLE VOLCANIC ACTIVITY DISCOVER [NASA RELEASE-83-159]  | ED ON VENUS<br>P83-10195 06     | •  | P83-10021 06                        |
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| SUGGESTED REMARKS: JSC HONOR AWARDS CEREMONY<br>JOHNSON SPACE CENTER, ECUSTON, TEX. P83-10240 05                                | INTELSAT COMMUNICATIONS SATELLITE SCHEDULED FOR LAUNCH [NASA RELEASE-83-77] P83-10088 06                      |
| STS-9 PREPLIGHT SPACELAE PRESS CONFERENCE P83-10244 05  | 103-10000 06  |
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| CHICAGO, ILLINOIS  P83-10248 05  SUGGESTED REMARKS: D.C. COUNCIL, THE NAVY LEAGUE, ARLINGTON, VIRGINIA  P83-10250 05            |   |
| SUGGESTED REMARKS: RECRUIT GRADUATION REVIEW, GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS P83-10252 05                          | INTERNATIONAL TRADE SUGGESTED REMARKS: RTCA 1983 ANNUAL ASSEMBLY AND TECHNICAL SYMPOSIUM HASHINGTON DE        |
| SUGGESTED REMARKS: SOUTH SHORE CHAMBER OF COMMERCE, RANDOLPH, MASSACHUSETTS P83-10253 05  | SUGGESTED REMARKS: BURLINGTON COUNTY, ECONOMIC DEVELOPMENT COMMITTEE, NEW JERSEY P83-10254 05                 |
| STS-9 PREFLIGHT BRIEFING (FLIGHT DIRECTOR) P83-10257 05   | INTERNATIONAL ULTRAVIOLET EXPLORER S IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/                                 |
| STS-9 PREPLICHT CREW DRESS CONFEDENCE   | INTERPLANETARY DUST PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57] P83-10068 06                         |
| P83-10260 05  | SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL<br>AIR AND SPACE MUSEUM P83-10146 05                        |
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| NASA AWARDS CONTRACT FOR INDONESIAN COMMUNICATIONS  | [NASA RELEASE-83-162] P83-10198 06  |
| TERMINAL [NASA RELEASE-83-195] P83-10262 06   | 3 200 102/1 00  |
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| HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271 06  | uz Kunnobi  |
| SUGGESTED REMARKS: GANNETT MANAGEMENT GROUP, WASHINGTON, D.C. P83-10273 05  | [NASA RELEASE-83-87] P83-10098 06  INTERSTELLAR DUST  |
| INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS  | SA METEOROIDS   |
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| S COSMOS SATELLITES S COSPAS S EXOSAT /EUROPEAN X-RAY OBS. SATELLITE/   | [NASA RELEASE-83-39] P83-10050 06  IRAS DISCOVERS GIANT DUST SHELL AROUND THE STAR BETTELGEUSE                |

| NEW PHENOMENA IN UNIVERSE OUTLINED<br>CONFERENCE                              | AT IRAS                           | IRAS DISCOVERS GIANT DUST SHELL AROUND THE STAR BETTELGEUSE  |
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| [NASA RELEASE-83-162]   | P83-10198 06                      | [NASA RELEASE-83-172] P83-10208 06   |
| INVENTIONS LANGLEY RESEARCHER NAMED NASA INVE                                 | ENTORY OF THE YEA<br>P83-10080 06 | INFRARED ASTRONOMICAL SATELLITE TO CEASE OPERATION [NASA RELEASE-83-181] P83-10217 06                        |
| INVESTIGATION BOARDS SA ACCIDENT INVESTIGATION BOARD                          |                                   | SUGGESTED STATEMENT: IRAS PRESS CONFERENCE, WASHINGTON, D.C. P83-10232 05                                    |
| IUS INVESTIGATION BOARD MEMBERS NA<br>[NASA RELEASE-83-49]                    | D02-10060 06                      | SUGGESTED BEMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  |
| O DENTIESI  |                                   | SUGGESTED REMARKS: RECRUIT GRADUATION REVIEW,<br>GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS<br>P83-10252 05 |
| [NASA RELEASE-83-86] INVESTMENTS  | 193-10097 06                      | IRAS DISCOVERS MATERIAL ORBITING ANOTHER STAR  |
| PANEL TO STUDY COMMERCIAL ENTERPRI<br>[NASA RELEASE-83-12]                    | P83-10012 06                      | HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271 06   |
| IONOSPHERE SOUNDING ROCKET EXPERIMENTS SUPPORTHEORY                           | RT SOLAR SYSTEM                   | IRAS-ARAKI-ALCOCK COMET NEW COMET DISCOVERED BY IRAS SCIENTISTS  |
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| 1958 - 1983 OUR FIRST QUARTER CENT<br>ACHIEVEMENTJUST THE BEGINNING           | TURY OF                           |  |
| ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]                           | P83-10167 06                      | ISEE-3 NASA'S ISEE-3 IS FIRST SPACECRAFT FLIGHT TO A COM [NASA RELEASE-83-196] P83-10263 06                  |
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| IRAS DISCOVERS ANOTHER COMET [NASA RELEASE-83-85]                             | P83-10096 06                      | ISOTOPES   |
| NASA TESTS NEW REFRIDGERATION SYS   |                                   | S MAGNESIUM ISOTOPES   |
| [NASA RELEASE-83-115]  NASA SATELLITE DISCOVERS POSSIBLE                      |                                   | ISTAR INC., SANTA MONICA, CALIF. NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS                              |
| SYSTEM  | P83+10131 06                      | [NASA RELEASE-83-138] P83-10173 06   |
| SUGGESTED REMARKS: PUND POR HIGH  |                                   | ITALY FISCAL YEAR 1984 BUDGET BRIEFING P83-10027 05  |
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| SUGGESTED REMARKS: NATIONAL SPAC  |                                   | INTELSAT COMMUNICATIONS SATELLITE SCHEDULED FOR  |
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| IRAS DISCOVERS ITS FIFTH COMET [NASA RELEASE-83-148]                          | P83-10183 06                      |  |
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| NEW PHENOMENA IN UNIVERSE OUTLINE<br>CONFERENCE                               |                                   | SUGGESTED REMARKS: SCA/ENTERPRISE CEREMONY<br>P83-10145 05   |
| [NASA RELEASE-83-162]   |                                   | 1958 - 1983 QUE FIRST QUARTER CENTURY OF   |
| IRAS DISCOVERS NEW OBJECT IN THE  |                                   | ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 O6   |

| SUGGESTED REMARKS: AGENCY-WIDE HO                                   | NOR AWARDS                 | 06  | NASA TO EXHIBIT AT THE HANOVER TRA   | DE FAIR                         |    |
|---|----------------------------|-----|--|---------------------------------|----|
|   |                            |     | LARGEST MULTIPLE BALLOON LAUNCH RE   |                                 |    |
|   |                            |     |  |                                 | 6  |
|   | P83-10270                  | 06  |  | P83-10083 0                     |    |
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| ITHACO, INC., ITHACA, M.Y. NASA SELECTS SMALL BUSINESS RESPAE       | CH DRODOSALS               |     | INTELSAT COMMUNICATIONS SATELLITE  | SCHEDULED FOR                   |    |
| NASA SELECTS SMALL BUSINESS RESEAR<br>[NASA RELEASE-83-138]         | P83-10173                  | 06  | INTELSAT COMMUNICATIONS SATELLITE LAUNCH [NASA RELEASE-83-77]                                | P83-10088 0                     | 6  |
| IUE /INTERNATIONAL ULTRAVIOLET EXPLOR                               | ER/                        |     | FRENCH PRESIDENT VISITS ORBITER EN<br>PARIS AIR SHOW<br>[NASA RELEASE-83-84]                 | TERPRISE AT                     |    |
| ACHIEVEMENT - JUST THE BEGINNING                                    | URY OF                     |     | PARIS AIR SHOW<br>[NASA RELEASE-83-84]   | P83-10095 06                    | 6  |
|   | P83-10167                  | 06  | NIGHT LAUNCH AND LANDING SET FOR S   |                                 | -  |
| IUS /INERTIAL UPPER STAGE/<br>FISCAL YEAR 1984 BUDGET ERIEFING      | P83-10027                  | 05  |  | P83-10130 06                    | 6  |
| NASA BUDGET PRESS CONFERENCE  | P83-10029                  | 05  | SUGGESTED REMARKS: AIR FORCE ASSO CANAVERAL CHAPTER  | CIATION, CAPE<br>P83-10132 05   | 5  |
| STS-6 PREFLIGHT BRIEFING ON EVA                                     | P83-10033                  | 05  | SUGGESTED REMARKS: AMERICAN UNIVE  | RSITY,<br>P83-10136 05          | _  |
|   | P83-10034                  |     | GEGGEGER DENIE   |                                 | 5  |
| STS-6 FLIGHT PLAN BRIEFING  |                            |     | <del>-</del>   | P83-10137 05                    |    |
| STS-6 PREFLIGHT BRIEFING/INERTIAL                                   | UPPER STAGE<br>P83-10036   | 05  | SUGGESTED REMARKS: INTERNATIONAL SYMPOSIUM, PARIS AIR SHOW                                   | AEROSPACE<br>P83-10144 05       | 5  |
| STS-6 PREFLIGHT PRESS CONFERENCE                                    | P83-10037                  | 05  | NASA ENDS NIMBUS-6 OPERATIONS<br>[NASA RELEASE-83-126]                                       |                                 |    |
| CHALLENGER FIRST PLIGHT TO DEPLOY FEATURE EVA                       | TDRS-A AND                 |     |  |                                 | 6  |
| [NASA RELEASE-83-36]  | P83-10047                  | 06  | 1958 - 1983 OUR FIRST QUARTER CENT<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132] | URY OF<br>P83-10167 06          | e  |
| IUS INVESTIGATION BOARD MEMBERS NA [NASA RELEASE-83-49]             | MED<br>P83-10060           |     | INTERNATIONAL SOLAR-TERRESTRIAL SP   |                                 | 0  |
| TDRS STATUS BEING ASSESSED [NASA RELEASE-83-52]                     | P83-10063                  | 06  | DISCUSSED [NASA RELEASE-83-149]  | P83-10184 06                    | 6  |
| SECOND RELAY SATELLITE DELETED PRO                                  |                            |     | STS-9 TO CARRY EUROPEAN-BUILT SPACE PIRST MISSION  | ELAB ON ITS                     |    |
| 8 MANIPEST<br>[NASA RELEASE-83-86]                                  |                            |     | [NASA RELEASE-83-173]  | P83-10209 06                    | 5  |
| COMMUNICATIONS SATELLITE BOOSTED I                                  |                            |     | SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]   |                                 | _  |
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| STS-6 POSTFLIGHT CREW CONFERENCE                                    |                            |     | SUGGESTED REMARKS: AGENCY-WIDE HOL<br>CEREMONY   | NOR AWARDS<br>P83-10239 06      | 5  |
| STS-8 PREFLIGHT CREW CONFEDENCE                                     |                            |     | SUGGESTED REMARKS: IEEE CONFERENCE   | E EASCON '83,                   |    |
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| 1958 - 1983 OUR FIRST QUARTER CENT<br>ACHIEVEMENTJUST THE BEGINNING | JRY OP                     |     | REMARKS PREPARED FOR DELIVERY TO THE PRESS CLUB, BLACK HORSE TAVERN, WAS                     | HE WASHINGTON                   |    |
| (   | 10101                      | 06  |  | P83-10247 05                    | 5  |
| NASA TO MOVE TORS TO PERMANENT LOCAL [NASA RELEASE-83-145]          | MTION<br>P83-10180         | 06  | SUGGESTED REMARKS: D.C. COUNCIL, TARLINGTON, VIRGINIA  | THE NAVY LEAGUE<br>P83-10250 05 | 3, |
| TDRS-1 SUCCESSFULLY MOVED TO PERMAN [NASA RELEASE-83-156]           | NENT LOCATION<br>P83-10191 | 06  | SUGGESTED REMARKS: SOUTH SHORE CHA   | MBER OF<br>P83~10253 05         | 6  |
| HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]                 | P83-10271                  | 06  | SUGGESTED REMARKS: BURLINGTON COUR<br>DEVELOPMENT COMMITTEE, NEW JERSEY                      | ITY, ECONOMIC P83-10254 05      |    |
| IUS /INTERIM UPPER STAGE/ S IUS /INERTIAL UPPER STAGE/              |                            |     | SUGGESTED REMARKS: TOWN HALL OF CA   | LIPORNIA, LOS                   |    |
| ·   |                            |     | STS-9 PREFLIGHT BRIEFING (SPACELAB   | P83-10255 05                    | ,  |
| j   |                            |     | 212-2 PREFEIGHT PRICEING (SPACETAR   | P83-10259 05                    | ;  |
| JAMIESON ENGINEERING NASA TO LAUNCH COOPERATIVE INTERNAT            |                            |     | HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  | P83-10271 06                    | ,  |
| [NASA RELEASE-83-1]   | P83-10001                  |     | PAN-AMERICAN SOCIETY   |                                 |    |
| JAPAN SHUTTLE SIMULATOR TO BE DISPLAYED I [NASA RELEASE-83-5]       | N JAPAN<br>P83-10005       |     | SHUTTLE SIMULATOR TO BE DISPLAYED I [NASA RELEASE-83-5]                                      | N JAPAN<br>P83-10005 06         |    |
| PROPOSAL REQUEST ISSUED FOR ACTS                                    | 0005                       |     | PROPULSION LAB., PASADENA, CALIF.  |                                 |    |
| [NASA RELEASE-83-28]  | P83-10039                  | 0.6 | NASA TO LAUNCH COOPERATIVE INTERNAT [NASA RELEASE-83-1]                                      | IONAL SATELLITY P83-10001 06    |    |

| SPACE NUCLEAR POWER TECHNOLOGY PROGRAM INITIATED [NASA RELEASE-83-30] P83-10041 06   | JETSTAR<br>S C-140 AIRCRAFT  |
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| NASA ACCEPTS 18 STUDY PROPOSALS FOR SPACE STATION UTILIZATION [NASA RELEASE-83-31] P83-10042 06                                      | JIACAMARCA RADIO OBSERVATORY, PERU INTERNATIONAL ROCKET EXPERIMENTS TO BE HELD IN PERU [NASA RELEASE-83-24] P83-10024 06 |
| SEARCH AND RESCUE INSTRUMENTATION TO BE CARRIED ON NOAR-E [NASA RELEASE-83-35] P83-10046 06  | JOHANNES GUTENBURG UNIV., MAINZ, GERMANY<br>STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS<br>FIRST MISSION               |
| FINAL EPFORTS TO REGAIN CONTACT WITH VIKING 1 [NASA RELEASE-83-47] P83-10058 06  | [NASA RELEASE-83-173] P83-10209 06  JOHN F. KENNEDY SPACE CENTER, MASA, PLA.  S KENNEDY SPACE CENTER, NASA, FLA.         |
| IUS INVESTIGATION BOARD MEMBERS NAMED [NASA RELEASE-83-49] P83-10060 06  | JOHNS HOPKINS UNIV., BALTINGRE, MD. SUGGESTED REMARKS: NATIONAL SPACE CLUB,  |
| OBJECT IN MILKY WAY EMIIS GAMMA RADIATION [NASA RELEASE-83-56] P83-10067 06  | WASHINGTON, D.C. P83-10134 05 SUGGESTED REMARKS: SPACE TELESCOPE SCIENCE   |
| LARGEST MULTIPLE BALLOON LAUNCH READY TO GO [NASA RELEASE-83-62] P83-10073 06  | INSTITUTE RIBBON-CUTTING CEREMONY P83-10155 05  JOHNSON AND JOHNSON CO.  |
| NEW EFFORTS BEING MADE TO COMMUNICATE WITH VIKING 1 [NASA RELEASE-83-66] P83-10077 06  | PANEL TO STUDY COMMERCIAL ENTERPRISE IN SPACE [NASA RELEASE-83-12] P83-10012 06  |
| NEW COMET DISCOVERED BY IRAS SCIENTISTS [NASA RELEASE-83-70] P83-10081 06  | STS-6 PREFLIGHT BRIEFING/ORBITER CHANGES P83-10031 05  |
| IRAS DISCOVERS TWO REGIONS WHERE STARS ARE BEING<br>BORN<br>[NASA RELEASE-83-81] P83-10092 06  | NIGHT LAUNCH AND LANDING SET FOR STS-8 P83-10130 06  |
| IRAS DISCOVERS ANOTHER COMET [NASA RELEASE-83-85] P83-10096 06   | SUGGESTED REMARKS: NATIONAL SPACE CLUB, WASHINGTON, D.C. P83-10134 05  |
| JPL RESEARCH USED AS BASIS FOR NEW CANCER TREATMENT [NASA RELEASE-83-88] P83-10099 06  | STS-6 POSTFLIGHT CREW CONFERENCE P83-10135 05 STS-7 BACKGROUND BRIEFING: CFES P83-10138 05                               |
| SPACELAB 3 PAYLOAD SPECIALISTS SELECTED FOR TRAINING [NASA RELEASE-83-94] P83-10105 06   | PROPOSED REMARKS: THE U.S. SPACE PROGRAM WHERE DO WE GO FROM HERE P83-10147 05   |
| BALLOON DROP TEST FOR JUPITER ATMOSPHERE ENTRY SPACECRAFT  | STS-8 PREPLIGHT BRIEFING: CPES P83-10149 05  |
| [NASA RELEASE-83-109] P83-10120 06  NASA TESTS NEW REFRIDGERATION SYSTEM   | STS-8 PREFLIGHT CREW CONFERENCE P83-10152 05 SUGGESTED REMARKS: IEEE CONFERENCE EASCON '83,                              |
| [NASA RELEASE-83-115] P83-10126 06 TEST OF GALILEO JUPITER PROBE SPACECRAFT A SUCCESS  | WASHINGTON, D.C. P83-10243 05 SUGGESTED REMARKS: MID-AMERICA COMMITTEE,  |
| [NASA RELEASE-83-117] P83-10128 06  NASA SATELLITE DISCOVERS POSSIBLE SECOND SOLAR   | CHICAGO, ILLINOIS P83-10248 05   |
| SYSTEM [NASA RELEASE-83-120] P83-10131 06  | SUGGESTED REMARKS: RECRUIT GRADUATION REVIEW, GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS P83-10252 05                   |
| JET PROPULSION LABORATORY CONTRACT EXTENDED [NASA RELEASE-83-122] P83-10157 06   | JOHNSON SPACE CENTER, HOUSTON, TEX. SA MISSION CONTROL CENTER, HOUSTON, TEX. SA NASA SPACE BIOMEDICAL RESEARCH INSTITUTE |
| 1958 - 1983 OUR FIRST QUARTER CENTURY OF<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132] P83-10167 06                      | INQUIRY TEAM REPORTS ON SPACE SUIT PAILURES [NASA RELEASE-83-9] P83-10009 06   |
| IRAS DISCOVERS ITS FIFTH COMET [NASA RELEASE-83-148] P83-10183 06  | STS-6 PREPLIGHT BRIEFING/INERTIAL UPPER STAGE P83-10036 05   |
| NEW PHENOMENA IN UNIVERSE OUTLINED AT IRAS<br>CONFERENCE<br>[NASA BELEASE-83-162] P83-10198 06                                       | ANTARCTIC "METEORITE" TURNS OUT TO BE A PIECE OF<br>THE MOON<br>[NASA RELEASE-83-32] P83-10043 06                        |
| STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION  | SCIENTISTS BELIEVE METEORITES MAY HAVE COME PROM   |
| [NASA RELEASE-83-173] P83-10209 06  NASA TECHNIQUES LEAD TO IMPROVED MEDICAL DIAGNOSIS   | [NASA RELEASE-83-33] P83-10044 06  CHALLENGER FIRST FLIGHT TO DEPLOY TDRS-A AND  |
| NASA TECHNIQUES LEAD TO IMPROVED MEDICAL DIAGNOSIS<br>[NASA RELEASE-83-177] P83-10213 06<br>TWO VENUS RADAR MAPPER CONTRACTS AWARDED | PEATURE EVA [NASA RELEASE-83-36] P83-10047 06  |
| [ NASA RELEASE-83-182 ] P83-10218 06  INTERNATIONAL SUN-EARTH EXPLORER (ISEE-3) TO BE  | STS-6 CARRIES LANGLEY ORBITER EXPERIMENT [NASA RELEASE-83-45] P83-10056 06   |
| RENAMED [NASA RELEASE-83-197] P83-10264 06   | STS-6 POSTFLIGHT NEWS CONFERENCE TO BE HELD [NASA RELEASE-83-53] P83-10064 06  |
| IRAS DISCOVERS MATERIAL ORBITING ANOTHER STAR [NASA RELEASE-83-199] P83-10266 06   | AMBITIOUS STS-7 MISSION TO PEATURE FIRST LANDING AT KENNEDY [NASA RELEASE-83-87] P83-10098 06                            |
| HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271 06   |  |

| NEW COMPUTER LANGUAGE TO BE TESTED AT JOHNSON   |   |
|---|---|
| SPACE CENTER [NASA RELEASE-83~108] P83-10119 06   | TEST OF GALTLEO JUPITER PROBE SPACECRAFT A SUCCESS [NASA RELEASE-83-117] P83-10128 06                                     |
| NIGHT LAUNCH AND LANDING SET FOR STS-8 P83-10130 06   | JUPITER ENCOUNTER PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57] P83-10068 06                                       |
| STS-7 BACKGROUND BRIEFING: CPES P83-10138 05  |   |
| STS-7 PREFLIGHT CREW PRESS CONFERENCE P83-10142 05  | SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL   |
| STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148 05   | AIR AND SPACE MUSEUM P83-10146 05  PROPOSED REMARKS: THE U.S. SPACE PROGRAM WHERE   |
| STS-8 PREFLIGHT BRIEFING: CPES P83-10149 05   | DO WE GO FROM HERE P83-10147 05   |
| STS-8 PLIGHT PLAN BRIEFING P83-10150 05   | JUPITER EXPLORATION SUGGESTED REMARKS: INTERNATIONAL PLATFORM   |
| STS-8 PREFLIGHT CREW CONFERENCE P83-10152 05  | ASSOCIATION P83-10154 05  |
| 1958 - 1983 OUE FIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING                         | JUPITER ORBITER/PROBE S GALILEO PROJECT   |
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|--|--|-----------------------|--|--|--|
| MERRITT ISLAND, PLA. EXPLORER ! LAUNCH ELEVATED NATION'S   | MORALE 25  |                       | SA SNOW<br>SA THUNDERSTORMS  |  |  |
| YEARS AGO<br>[NASA RELEASE-83-10]  |  |                       | SA TORNADOES SA WEATHER FORECASTING  |  |  |
|  | P83-10034  |                       | NIGHT LAUNCH AND LANDING SET FOR ST  |  | 0.6  |
| MESSERSCHMITT-BOELKOW-BLOHN CORP., MUN   | ICH  |                       |  | P83-10130  | 06   |
| AMBITIOUS STS-7 MISSION TO FEATURE<br>AT KENNEDY<br>[NASA RELEASE-83-87]   | PIRST LANDI<br>P83-10098   |                       | WORLDWIDE TELEPHONE SERVICE SET UP I<br>[NASA RELEASE-83-41]   |  |  |
| 1958 - 1983 OUR FIRST QUARTER CENTU  |  |                       | TELEPHONE SERVICE AVAILABLE FOR STS-   | -7   |  |
| ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]   |  | 06                    | [NASA RELEASE-83-95]   | P83-10106  | 06   |
| STS-9 TO CARRY EUROPEAN-BUILT SPACE  |  |                       | TELEPHONE SERVICE AVAILABLE FOR STS-<br>[NASA RELEASE-83-131]  |  | 06   |
| FIRST MISSION [NASA RELEASE-83-173]  | P83-10209  | 06                    | TELEPHONE SERVICE TO BE AVAILABLE PO   | OR SPACELAB  |  |
| MESSERSCHMITT-BOELKOW-BLOHM GMBH, BREM   | EN   |                       | MISSION<br>(NASA RELEASE-83-184)   | P83-10220  | 06   |
| STS-7 PREPLIGHT BACKGROUND BRIEFING  | S: SPAS<br>P83-10139   | 05                    | HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  | P83-10271  | 06   |
| METABOLISH<br>LIVING IN SPACE MAY MEAN LIVING LON  | GER, LOSING  | 3                     | MICHIGAN STATE UNIV.   | CD1CD CE1MT  | . 0 1  |
| MUSCLE<br>[NASA RELEASE-83-103]  | P83-10114  | 06                    | NASA ACCEPTS 18 STUDY PROPOSALS FOR UTILIZATION  | P83-10042  |  |
| BETALLURGY   |  | _                     | [NASA RELEASE-83-31] NASA TESTS HIGH SPEED DATA MANAGEME   |  |  |
| NASA AND GTI CONCLUDE JOINT ENDEAVO<br>[NASA RELEASE-83-23]  | P83-10023  | r<br>06               | [NASA RELEASE-83-58]   |  |  |
| METALS<br>S ALLOYS   |  |                       | MICHIGAN UNIV., ANN ARBOR<br>STS-9 TO CARRY EUROPEAN-BUILT SPACE   | LAB ON ITS   |  |
| S ALUMINUM<br>S GALLIUM  |  |                       | FIRST MISSION [NASA RELEASE-83-173]  |  | 06   |
| S INDIUM<br>S MAGNESIUM  |  |                       | HICROCOMPUTERS   |  |  |
| METEORITES SA MICROMETEORITES  |  |                       | SUGGESTED REMARKS: THIRD ANNUAL SH<br>INVOLVEMENT PROJECT (SSIP) AWARDS C<br>HEADQUARTERS  |  | NASA   |
| 34 HICKORDIDOMITES   |  |                       | HUMDQUARIDAD   |  |  |
| ANTARCTIC "METEORITE" TURNS OUT TO   | BE A PIECE   | OF                    | MICROGRAVITY RESEARCH ASSOC., PLA.   |  |  |
| ANTARCTIC "METEORITE" TURNS OUT TO<br>THE MOON<br>[NASA RELEASE-83-32]   |  |                       |  | ELOPED ON SE   | HUTTLE   |
| ANTARCTIC "METEORITE" TURNS OUT TO<br>THE MOON<br>[NASA RELEASE-83-32]<br>SCIENTISTS BELIEVE METEORITES MAY I  | P83-10043  | 06<br>ROM             | MICROGRAVITY RESEARCH ASSOC., FLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETRORITES  | ELOPED ON SI<br>P83-10075  | HUTTLE   |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]   | P83-10043  | 06<br>ROM             | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]   | ELOPED ON SI<br>P83-10075<br>MORALE 25   | HUTTLE<br>06   |
| ANTARCTIC "METEORITE" TURNS OUT TO<br>THE MOON<br>[NASA RELEASE-83-32]<br>SCIENTISTS BELIEVE METEORITES MAY I  | P83-10043 HAVE COME FI P83-10044 DS CEREMONY   | 06<br>ROM<br>06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  | ELOPED ON SI<br>P83-10075<br>MORALE 25<br>P83-10010  | HUTTLE<br>06   |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY IMARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX.   | P83-10043 HAVE COME FI P83-10044 DS CEREMONY   | 06<br>ROM<br>06<br>05 | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETRORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  | ELOPED ON SI<br>P83-10075<br>MORALE 25<br>P83-10010  | HUTTLE<br>06<br>06                                   |
| ANTARCTIC "METEORITE" TURNS OUT TO<br>THE MOON<br>[NASA RELEASE-83-32]<br>SCIENTISTS BELIEVE METEORITES MAY I<br>MARS<br>[NASA RELEASE-83-33]<br>SUGGESTED REMARKS: JSC HONOR AWARS<br>JOHNSON SPACE CENTER, HOUSTON, TEX.   | P83-10043 HAVE COME F. P83-10044 DS CEBEMONY P83-10240   | 06<br>ROM<br>06<br>05 | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS NASA RESEARCH TO HELP THE SINGLE PI   | ELOPED ON SI<br>P83-10075<br>MORALE 25<br>P83-10010<br>SYSTEM<br>P83-10102   | HUTTLE<br>06<br>06                                   |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWAR! JOHNSON SPACE CENTER, HOUSTON, TEX. HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  | P83-10043 HAVE COME F: P83-10044 DS CEREMONY P83-10240 P83-10271   | 06<br>ROM<br>06<br>05 | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  | ELOPED ON SI<br>P83-10075<br>MORALE 25<br>P83-10010<br>SYSTEM<br>P83-10102   | O6   |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX. HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS   | P83-10043 HAVE COME F: P83-10044 DS CEREMONY P83-10240 P83-10271   | 06<br>ROM<br>06<br>05 | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, IMC., CALIF.  | ELOPED ON SI<br>P83-10075<br>MORALE 25<br>P83-10010<br>SYSTEM<br>P83-10102<br>LOT FLY BY<br>P83-10129  | 06<br>06<br>06                                       |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX. HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS 5 PEGASUS METEOROID DETECTION SATE  METEOROIDS SA MICROMETEOROIDS  IRAS DISCOVERS NEW OBJECT IN THE S   | P83-10043 HAVE COME F: P83-10044 DS CEREMONY P83-10240 P83-10271 ELLITE  | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROHETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROHETEOROIDS  PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]   | ELOPED ON SI P83-10075  MORALE 25  P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  CH PROPOSALS   | HUTTLE 06 06 06 06                                   |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX. HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS S PEGASUS METEOROID DETECTION SAT: METEOROIDS SA MICROMETEOROIDS IRAS DISCOVERS NEW OBJECT IN THE S [NASA RELEASE-83-171]   | P83-10043  HAVE COME F: P83-10044  DS CEREMONY P83-10240  P83-10271  | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, INC., CALIF. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  MICROWAVE SEMSORS SUGGESTED REMARKS: D.C. COUNCIL, T  | ELOPED ON SI P83-10075  MORALE 25 P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  EL PEOPOSALS P83-10173  THE NAVY LEA  | HUTTLE 06 06 06 06 06 GUE,                           |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX. HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS S PEGASUS METEOROID DETECTION SATEMATE OF THE SECOND SECON | P83-10043 HAVE COME F: P83-10044 DS CEREMONY P83-10271 ELLITE OLAR SYSTEM P83-10207  | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, INC., CALIP. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  MICROWAVE SENSORS SUGGESTED REMARKS: D.C. COUNCIL, TARLINGTON, VIEGINIA   | ELOPED ON SI P83-10075  MORALE 25 P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  EL PEOPOSALS P83-10173  THE NAVY LEA  | HUTTLE 06 06 06 06 06 GUE,                           |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWAR: JOHNSON SPACE CENTER, HOUSTON, TEX. HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS S PEGASUS METEOROID DETECTION SAT: METEOROIDS IRAS DISCOVERS NEW OBJECT IN THE S [NASA RELEASE-83-171]  METEOROLOGICAL SATELLITES SA GOES /GEOSTAT. OPERATIONAL ENVI SA INSAT SA INSAT-1 SA NIMBUS METEOROLOGICAL SATELLITE   | P83-10043  HAVE COME F: P83-10044  DS CEREMONY P83-10240  P83-10271  ELLITE  OLAR SYSTEM P83-10207  RON. SAT./   | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, INC., CALIF. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  MICROWAVE SEMSORS SUGGESTED REMARKS: D.C. COUNCIL, TARLINGTON, VIEGINIA  MICROWAVE SOUNDING UNIT SEARCH AND RESCUE INSTRUMENTATION TO   | ELOPED ON SI P83-10075  MORALE 25  P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  CH PROPOSALS P83-10173  CHE NAVY LEAP P83-10250  | HUTTLE 06  06  06  06  06  06  GUE, 05               |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX.  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS S PEGASUS METEOROID DETECTION SAT:  METEOROIDS  IRAS DISCOVERS NEW OBJECT IN THE S [NASA RELEASE-83-171]  METEOROLOGICAL SATELLITES SA GOES /GEOSTAT. OPERATIONAL ENVI SA INSAT SA INSAT SA NISAT-1 SA NIBUS METEOROLOGICAL SATELLITE SA NOAA METEOROLOGICAL SATELLITE SA NOAA METEOROLOGICAL SATELLITES SA SMS  | P83-10043  HAVE COME F: P83-10044  DS CEREMONY P83-10240  P83-10271  ELLITE  OLAR SYSTEM P83-10207  RON. SAT./   | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  PIONEER 10 SPACECRAFT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, IMC., CALIF. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  MICROWAVE SEMSORS SUGGESTED REMARKS: D.C. COUNCIL, TARLINGTON, VIRGINIA   | ELOPED ON SI P83-10075  MORALE 25 P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  H PROPOSALS P83-10173  CHE NAVY LEAP83-10250  | HUTTLE 06  06  06  06  06  06  06  D CN              |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX.  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS S PEGASUS METEOROID DETECTION SATE  METEOROIDS  IRAS DISCOVERS NEW OBJECT IN THE S [NASA RELEASE-83-171]  METEOROLOGICAL SATELLITES SA GOES /GEOSTAT. OPERATIONAL ENVISA INSAT SA INSAT SA INSAT-1 SA NIMBUS METEOROLOGICAL SATELLITES SA ONA METEOROLOGICAL SATELLITES SA SMS SA TIROS METEOROLOGICAL SATELLITES  | P83-10043  HAVE COME FI P83-10044  DS CEREMONY P83-10240  P83-10271  ELLITE  OLAR SYSTEM P83-10207  RON. SAT./   | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, INC., CALIF. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  MICROWAVE SEWSORS  SUGGESTED REMARKS: D.C. COUNCIL, TARLINGTON, VIEGINIA  MICROWAVE SOUNDING UNIT SEARCH AND RESCUE INSTRUMENTATION TO NOAA-E [NASA RELEASE-83-35]  MILKI WAY   | ELOPED ON SI P83-10075  MORALE 25 P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  H PROPOSALS P83-10173  CHE NAVY LEAP P83-10250  CO BE CARRIE P83-10046  | HUTTLE 06  06  06  06  06  06  06  D CN              |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY I MARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX.  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS S PEGASUS METEOROID DETECTION SAT:  METEOROIDS  IRAS DISCOVERS NEW OBJECT IN THE S [NASA RELEASE-83-171]  METEOROLOGICAL SATELLITES SA GOES /GEOSTAT. OPERATIONAL ENVI SA INSAT SA INSAT SA NISAT-1 SA NIBUS METEOROLOGICAL SATELLITE SA NOAA METEOROLOGICAL SATELLITE SA NOAA METEOROLOGICAL SATELLITES SA SMS  | P83-10043  HAVE COME FI P83-10044  DS CEREMONY P83-10240  P83-10271  ELLITE  OLAR SYSTEM P83-10207  RON. SAT./  S  | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, INC., CALIP. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  MICROWAVE SEWSORS  SUGGESTED REMARKS: D.C. COUNCIL, TARLINGTON, VIRGINIA  MICROWAVE SOUNDING UNIT SEARCH AND RESCUE INSTRUMENTATION TO NOAA-E [NASA RELEASE-83-35]  MILKI WAY OBJECT IN MILKY WAY EMITS GAMMA RAI [NASA RELEASE-83-56]  | ELOPED ON SI<br>P83-10075  MORALE 25 P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  H PROPOSALS P83-10173  CHE NAVY LEA P83-10250  CO BE CARRIE P83-10046  DIATION P83-10067                               | HUTTLE 06  06  06  06  06  06  07  06  06  06        |
| ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  SCIENTISTS BELIEVE METEORITES MAY IMARS [NASA RELEASE-83-33]  SUGGESTED REMARKS: JSC HONOR AWARS JOHNSON SPACE CENTER, HOUSTON, TEX.  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  METEOROID DETECTORS S PEGASUS METEOROID DETECTION SATE  METEOROIDS  IRAS DISCOVERS NEW OBJECT IN THE S [NASA RELEASE-83-171]  METEOROLOGICAL SATELLITES SA GOES /GEOSTAT. OPERATIONAL ENVISA INSAT SA INSAT SA INSAT SA INSAT-1 SA NIMBUS METEOROLOGICAL SATELLITES SA SMS SA TIROS METEOROLOGICAL SATELLITES TEXT OF REMARKS BY THE PRESIDENT A ANNIVERSARY CELEBRATION, AIR AND S   | P83-10043  P83-10044  DS CEREMONY P83-10240  P83-10271  ELLITE  OLAR SYSTEM P83-10207  RON. SAT./  S  T NASA 25TH P82-10234  | 06 ROM 06 05 06       | MICROGRAVITY RESEARCH ASSOC., PLA.  NEW SEMICONDUCTOR PROCESS TO BE DEV [NASA RELEASE-83-64]  MICROMETEORITES  EXPLORER 1 LAUNCH ELEVATED NATION'S YEARS AGO [NASA RELEASE-83-10]  MICROMETEOROIDS  PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MICROPROCESSORS  NASA RESEARCH TO HELP THE SINGLE PI INSTRUMENTS [NASA RELEASE-83-118]  MICROWAVE MONOLITHICS, IWC., CALIF. NASA SELECTS SMALL BUSINESS RESEARC [NASA RELEASE-83-138]  MICROWAVE SEMSORS SUGGESTED REMARKS: D.C. COUNCIL, TALINGTON, VIRGINIA  MICROWAVE SOUNDING UNIT SEARCH AND RESCUE INSTRUMENTATION TO NOAA-E [NASA RELEASE-83-35]  MILKY WAY OBJECT IN MILKY WAY EMITS GAMMA RAI [NASA RELEASE-83-56]  SPACE TELESCOPE RENAMED AS EDWIN P.                               | ELOPED ON SI P83-10075  MORALE 25 P83-10010  SYSTEM P83-10102  LOT FLY BY P83-10129  CH PROPOSALS P83-10173  CHE NAVY LEAP P83-10250  CO BE CARRIE P83-10046  DIATION P83-10067  HUBBLE SPA                    | HUTTLE 06  06  06  06  06  07  06  06  06  06        |
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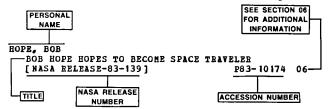
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| DA VINCI, LEONARDO SUGGESTED REMARKS: 72ND ADVANCED M PROGRAM REUNION, PAIRMONT HOTEL, SA  DADDARIO, EMILIO Q. PANEL TO STUDY COMMERCIAL ENTERPRISE [NASA RELEASE-83-12]  DAILBY, CARROLL NASA ISSUES ANNOUNCEMENT OF OPPORTU OBSERVATORY [NASA RELEASE-83-154]  DANIEL, ROGER STS-7 PREPLIGHT CREW PRESS CONFERENCE AIR AND SPACE MUSEUM  SUGGESTED REMARKS: PIONEER 10 RECEI AIR AND SPACE MUSEUM  DAUNTON, NANCY NASA INVESTIGATES NEW LINK IN MOTICI [NASA RELEASE-83-191]  DAVID, LEONARD STS-8 PREFLIGHT CREW CONFERENCE STS-9 PREPLIGHT CREW PRESS CONFERENCE STS-9 PREFLIGHT CREW PRESS CONFERENCE | N FEANCISCO P83-10249  E IN SPACE P83-10012  NITY FOR I- P83-10189  CE P83-10142  PTION, NATIO P83-10146  PTION, NATIO P83-10146  N SICKNESS P83-10227  P83-10152  CE P83-10260                                 | 05<br>06<br>RAY<br>06<br>05<br>DNAL<br>05<br>DNAL<br>05<br>06<br>05 | DEAN, J.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]  P83-1016  DEAN, MORTON  STS-7 PREFLIGHT CREW PRESS CONFERENCE P83-1014:  STS-8 PREFLIGHT CREW CONFERENCE P83-1015  DEBUS, KURT H.  EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 2:  YEARS AGO [NASA RELEASE-83-10]  SUGGESTED REMARKS: INAUGURAL LECTURE: JAME: WEBB FUND FOR EXCELLENCE IN PUBLIC ADMINISTR: WASHINGTON, D.C.  DECKER, ARTHUR J.  3-D MOVIES AID JET ENGINE RESEARCHERS AT NAS:  [NASA RELEASE-83-68]  DELACY, RICK STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10146  DELACY, RICK STS-7 POSTFLIGHT CREW PRESS CONFERENCE NASA TO LAUNCH EUROPEAN X-RAY OBSERVATORY SAT [NASA RELEASE-83-74]  DELLER, GEORGE   | 7 06 2 05 2 05 5 0 06 S E. ATION, 1 05 A CENTER 9 06 3 05 FELLITE 5 06 |
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| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWERIGHT, LEO STS-9 SCIENCE BRIEFING  EPES, M. 1958 - 1983 OUR FIRST QUARTER CENTUR ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]  EURIPIDES SUGGESTED REMARKS: STS-9 MANNED FLICE EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLEIN   | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE  P83-10233  BE A PIECE  P83-10043  | 06<br>05<br>06<br>SS<br>05<br>0F       | [NASA RELEASE-83-36]  PICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHMEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.   | ED FOR TRAI<br>83-10105 0<br>83-10068 0<br>983-10102 0<br>IN SPACE<br>983-10012 0   | INING<br>06<br>06                            |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES, M. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVERNTJUST THE BEGINNING [NASA RELEASE-83-132]  EURIPIDES SUGGESTED REMARKS: STS-9 HANNED FLICE ECCEPTION, KENNDY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE HOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIM 1958 - 1983 OUR FIRST QUARTER CENTURAL ELEVERNTJUST THE BEGINNING  | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE P83-10233  BE A PIECE P83-10043  RY OF   | 06<br>05<br>06<br>SS<br>05<br>0F       | [NASA RELEASE-83-36]  PICHTL, GRORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHHEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMRISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L. 1958 - 1983 QUR PIRST QUARTER CENTURY   | ED FOR TRAI<br>83-10105 0<br>83-10068 0<br>983-10102 0<br>IN SPACE<br>983-10012 0   | INING<br>06<br>06                            |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  ENWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES. H. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  EURIFIDES SUGGESTED REMARKS: STS-9 HANNED FLICE ECCEPTION, KENNEY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIM 1958 - 1983 OUR FIRST QUARTER CENTURE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]   | P83-10229  P83-10256  RY OP  P83-10167  GHT AWARENE  P83-10233  BE A PIECE  P83-10043  RY OP  P83-10167                                  | 06<br>05<br>06<br>SS<br>05<br>0F<br>06 | [NASA RELEASE-83-36]  PICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHHEL, RICHARD  PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAFT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L. 1958 - 1983 QUE PIRST QUARTER CENTURY ACHIEVEMENT—JUST THE BEGINNING   | ED FOR TRAI<br>83-10105 0<br>83-10068 0<br>983-10102 0<br>IN SPACE<br>983-10012 0   | INING<br>06<br>06<br>06                      |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES, M. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  EURIFIDES SUGGESTED REMARKS: STS-9 MANNED FLICE ECCEPTION, KENNED! SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIN 1958 - 1983 OUR FIRST QUARTER CENTURACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL   | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE  P83-10233  BE A PIECE  P83-10043  RY OF  P83-10167  AT WASHING                      | 06 05 06 SS 05 0F 06 06                | FICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHHEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED   | EED FOR TRAI<br>83-10105 0<br>83-10068 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0   | CNING<br>D6<br>D6<br>O6                      |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES, M. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  EURIFIDES SUGGESTED REMARKS: STS-9 MANNED FLICE ECCEPTION, KENNED! SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIN 1958 - 1983 OUR FIRST QUARTER CENTURACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL   | P83-10229  P83-10256  RY OP  P83-10167  GHT AWARENE  P83-10233  BE A PIECE  P83-10043  RY OP  P83-10167                                  | 06 05 06 SS 05 0F 06 06                | FICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHHEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHEE, ANNA L. 1958 - 1983 QUE PIRST QUARTER CENTURY ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]  | ED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>AB ON ITS<br>83-10209 0<br>7 OF  | CNING<br>D6<br>D6<br>O6<br>O6                |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES, M. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  EURIPIDES SUGGESTED REMARKS: STS-9 MANNED FLICE ECCEPTION, KENNEDY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLUIN 1958 - 1983 OUR FIRST QUARTER CENTURE ACHIEVEMENT—JUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL [NASA RELEASE-83-152]   | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE  P83-10233  BE A PIECE  P83-10043  RY OF  P83-10167  AT WASHING  P83-10187           | 06 05 06 SS 05 0F 06 06                | [NASA RELEASE-83-36]  PICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHHEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]  PIEW ASTRONAUT SHUTTLE PLIGHT ASSIGNME   | EED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10106 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0<br>COP<br>83-10167 0<br>883-10177 0<br>883-10177 0  | CNING<br>D6<br>D6<br>O6<br>O6                |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  ENWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES. M. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  BURIPIDES SUGGESTED REMARKS: STS-9 MANNED FLICE RECEPTION, KENNDY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIM 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL [NASA RELEASE-83-152]  EVER, E. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION   | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE P83-10233  BE A PIECE P83-10043  RY OF  P83-10167  AT WASHING P83-10187              | 06 05 06 SS 05 0F 06 06                | FICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHMEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT—JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]  PEW ASTRONAUT SHUTTLE PLIGHT ASSIGNME [NASA RELEASE-83-142]  | EED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10106 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0<br>COP<br>83-10167 0<br>883-10177 0<br>883-10177 0  | CNING<br>D6<br>D6<br>O6<br>O6                |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES. M. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  EURIPIDES SUGGESTED REMARKS: STS-9 MANNED FLICE RECEPTION, KENNDY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIN 1958 - 1983 OUR FIRST QUARTER CENTUR ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERFAITH CELEBRATION CATHEDRAL [NASA RELEASE-83-152]  EVER, E. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION   | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE  P83-10233  BE A PIECE  P83-10043  RY OF  P83-10167  AT WASHING  P83-10187           | 06 05 06 SS 05 0F 06 06                | FICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHHEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNME [NASA RELEASE-83-179]  PISHER, HOWARD B. FINALISTS CHOSEN IN THIRD SHUTTLE STU   | ED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10105 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0<br>7 OF<br>83-10167 0<br>883-10177 0<br>883-10177 0<br>883-10215 0   | CNING<br>D6<br>D6<br>O6<br>O6                |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  ENWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES. M. 1958 - 1983 OUR FIRST QUARTER CENTURATE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  EURIFIDES SUGGESTED REMARKS: STS-9 MANNED FLICE ECEPTION, KENNDY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIM 1958 - 1983 OUR FIRST QUARTER CENTURACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL [NASA RELEASE-83-152]  EVER, E. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]  | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE P83-10233  BE A PIECE P83-10043  RY OF  P83-10167  AT WASHING P83-10187              | 06 05 06 SS 05 0F 06 06                | FICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHMEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT—JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]  PISHER, HOWARD B. PINALISTS CHOSEN IN THIRD SHUTTLE STURYOLVEMENT PROJECT  | ED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10105 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0<br>7 OF<br>83-10167 0<br>883-10177 0<br>883-10177 0<br>883-10215 0   | CNING<br>06<br>06<br>06<br>06<br>06<br>06    |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES, M. 1958 - 1983 OUR FIRST QUARTER CENTURAL ACHIEVERENTJUST THE BEGINNING [NASA RELEASE-83-132]  EURIPIDES SUGGESTED REMARKS: STS-9 MANNED FLICE ECCEPTION, KENEDY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROMALD ELLUIN 1958 - 1983 OUR FIRST QUARTER CENTURENTS ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL [NASA RELEASE-83-152]  EVER, E. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]   | P83-10229  P83-10256  RY OF  P83-10167  GHT AWARENE P83-10233  BE A PIECE P83-10043  RY OF  P83-10167  AT WASHING P83-10187              | 06 05 06 SS 05 0F 06 06 TON 06         | FICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHMEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H. STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT—JUST THE BEGINNING [NASA RELEASE-83-132]  PISHER, ELEASE-83-142]  PINALL CREWS SELECTED [NASA RELEASE-83-142]  PISHER, HOWARD B. PINALLSTS CHOSEN IN THIRD SHUTTLE STU INVOLVEMENT PROJECT [NASA RELEASE-83-92]  PISHER, WILLIAM P.   | EED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0<br>OF<br>83-10167 0<br>ENTS HADE<br>283-10215 0<br>UDENT<br>E83-10103 0   | CNING<br>06<br>06<br>06<br>06<br>06<br>06    |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  EWWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES, M. 1958 - 1983 OUR FIRST QUARTER CENTURATE ACHIEVERNTJUST THE BEGINNING [NASA RELEASE-83-132]  EURIPIDES SUGGESTED REMARKS: STS-9 HANNED FLICE ECEPTION, KENNDY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIM 1958 - 1983 OUR FIRST QUARTER CENTURACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERFAITH CELEBRATION CATHEDRAL [NASA RELEASE-83-152]  EVER, E. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]   | P83-10229 P83-10256 RY OP P83-10167 GHT AWARENE P83-10233 BE A PIECE P83-10043 RY OP P83-10167 AT WASHING P83-10187 LAB ON ITS P83-10209 | 06 05 06 SS 05 0F 06 06 TON 06         | [NASA RELEASE-83-36]  PICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHMEL, RICHARD  PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B.  PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]  PENER ASTRONAUT SHUTTLE FLIGHT ASSIGNME [NASA RELEASE-83-179]  PISHER, HOWARD B.  PINALISTS CHOSEN IN THIRD SHUTTLE STU INVOLVEMENT PROJECT [NASA RELEASE-83-92]  PISHER, WILLIAM P.  1958 - 1983 OUR PIRST QUARTER CENTURY  | EED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0<br>OF<br>83-10167 0<br>ENTS HADE<br>283-10215 0<br>UDENT<br>E83-10103 0   | CNING<br>06<br>06<br>06<br>06<br>06<br>06    |
| SPACELAB 1 CREW ACTIVITIES [NASA RELEASE-83-193]  ENWRIGHT, LEO STS-9 SCIENCE BRIEFING  EPES. M. 1958 - 1983 OUR FIRST QUARTER CENTURATE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  EURIFIDES SUGGESTED REMARKS: STS-9 HANNED FLICE ECEPTION, KENNEY SPACE CENTER  EVANS, J. C. ANTARCTIC "METEORITE" TURNS OUT TO THE MOON [NASA RELEASE-83-32]  EVANS, ROWALD ELLWIM 1958 - 1983 OUR FIRST QUARTER CENTURACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL [NASA RELEASE-83-152]  EVER, E. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]  FABIAN, JOHN M. JUNE 18 SET AS LAUNCH DATE FOR STS-[NASA RELEASE-83-72]   | P83-10229 P83-10256 RY OP P83-10167 GHT AWARENE P83-10233 BE A PIECE P83-10043 RY OP P83-10167 AT WASHING P83-10187 LAB ON ITS P83-10209 | 06 05 06 SS 05 0F 06 06 06             | FICHTL, GEORGE H.  SPACELAB 3 PAYLOAD SPECIALISTS SELECT: [NASA RELEASE-83-94]  PIHMEL, RICHARD PIONEER 10 to PASS BEYOND PLUTO [NASA RELEASE-83-57]  PIONEER 10 SPACECRAPT DEPARTS SOLAR S [NASA RELEASE-83-91]  PINGER, HAROLD B. PANEL TO STUDY COMMERCIAL ENTERPRISE: [NASA RELEASE-83-12]  PISCHMEISTER, H.  STS-9 TO CARRY EUROPEAN-BUILT SPACELA PIRST MISSION [NASA RELEASE-83-173]  PISHER, ANNA L.  1958 - 1983 QUR PIRST QUARTER CENTURY ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142]  PISHER, HOWARD B. PINALISTS CHOSEN IN THIRD SHUTTLE STU INVOLVEMENT PROJECT [NASA RELEASE-83-92]  PISHER, WILLIAM P. 1958 - 1983 OUR FIRST QUARTER CENTURY ACHIEVEMENT-JUST THE BEGINNING  | EED FOR TRAI<br>83-10105 0<br>83-10105 0<br>83-10102 0<br>IN SPACE<br>83-10012 0<br>IB ON ITS<br>83-10209 0<br>OF<br>83-10167 0<br>ENTS HADE<br>283-10215 0<br>UDENT<br>E83-10103 0   | CNING D6          |
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|   | P83-10088               | 06   | SUGGESTED REMARKS: INAUGURAL LECTUR  |                                     |       |
| GIBERSON, W. EUGENE NASA TO LAUNCH COOPERATIVE INTERNAT [NASA RELEASE-83-1]                   | P83-10001               |      | WEBB FUND FOR EXCELLENCE IN PUBLIC A WASHINGTON, D.C.  | DMINISTRAT<br>P83-10261             | ION,  |
| GIBSON, ADRIAN STS-9 PREPLIGHT CREW PRESS CONFEREN  | ICE<br>P83-10260        | 05   | GODDARD, ROBERT<br>SUGGESTED REMARKS: RECRUIT GRADUATI<br>GREAT LAKES NAVAL TRAINING CENTER, I | ION REVIEW,<br>LLINOIS<br>P83-10252 |       |
| GIBSON, EDWARD GEORGE   |                         |      | GODDARD, ROBERT H.   |                                     |       |
| 1958 - 1983 OUR PIRST QUARTER CENTU<br>ACHIEVEMENT JUST THE BEGINNING                         |                         |      | 1958 - 1983 OUR FIRST QUARTER CENTUR<br>ACHIEVEMENTJUST THE BEGINNING                          | Y OF                                |       |
| [NASA RELEASE-83-132]   | P83-10167               | 06   | [NASA RELEASE-83-132]  | P83-10167                           | 06    |
| GIBSON, ERNEST R. NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL                               | AT WASHING              | TON  | GOBTZ, ROBERT C<br>NIGHT LAUNCH AND LANDING SET FOR STS  |                                     | •     |
| [NASA RELEASE-83-152]   | P83-10187               | 06   |  | P83-10130                           | 06    |
| GIBSON, ROBERT L.<br>CREWS NAMED FOR STS-11 AND STS-12  |                         |      | STS-9 TO CARRY EUROPEAN-BUILT SPACEL<br>FIRST MISSION<br>[NASA BELEASE-83-173]                 | AB ON ITS<br>P83-10209              | 06    |
| (NASA RELEASE-83-15)  |                         |      | GOLDMARK, PRIER G.   |                                     |       |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132] | RY QF<br>P83-10167      |      | PANEL TO STUDY COMMERCIAL ENTERPRISE [NASA RELEASE-83-12]                                      | IN SPACE<br>P83-10012               | 06    |
| NEW ASTRONAUT SHUTTLE PLIGHT ASSIGN   |                         |      | GOMERIBUX, J. STS-9 TO CARRY EUROPEAN-BUILT SPACEL PIRST MISSION                               | AB ON ITS                           |       |
| SHUTTLE BRIEFINGS SCHEDULED IN HOUS   |                         |      | [NASA RELEASE-83-173]  | P83-10209                           | 06    |
| [NASA RELEASE-83-194]   | P83-10230               |      | GONDI, P. STS-9 TO CARRY EUROPEAN-BUILT SPACEL   | AR ON TTS                           |       |
| FLIGHT 41-5 PRE-MISSION CREW PRESS  | CONFERENCE<br>P83-10277 | 05   | PIRST MISSION [NASA RELEASE-83-173]  |                                     | 06    |
| GILLETT, PRED NASA TO LAUNCH COOPERATIVE INTERNAT [NASA RELEASE-83-1]                         | TONAL SATELL            | LTTP | GORDON, RICHARD PRANCIS, JR. 1958 - 1983 OUR FIRST QUARTER CENTUR                              |                                     |       |
|   |                         |      | ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]  | P83-10167                           | 06    |
| NASA SATELLITE DISCOVERS POSSIBLE S   |                         |      | GOULD, RICK  |                                     |       |
| (NASA RELEASE-83-120]   | P83-10131               | 06   | PINALISTS CHOSEN IN THIRD SHUTTLE ST<br>INVOLVEMENT PROJECT                                    | UDENT                               |       |

|  | P83-10103               |           | GRISSOM, VIRGIL IVAN<br>1958 - 1983 QUE FIRST QUARTER CENTURY OF                           |             |
|--|-------------------------|-----------|--|-------------|
| GRABE, ROMALD J.   | ITUMC MIDD              |           | ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167                              | 0.6         |
| GRABE, ROWALD J. NEW ASTRONAUT SHUTTLE PLIGHT ASSIGNMENT (NASA RELEASE-83-179) GRAVELINE, DUAME E. | P83-10215               | 06        | [NASA RELEASE-83-132] P83-10167<br>STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS           |             |
|  |                         |           | FIRST MISSION [NASA RELEASE-83-173] P83-10209  |             |
| 1958 - 1983 OUR FIRST QUARTER CENTUR<br>ACHIEVEMENTJUST THE BEGINNING                              |                         |           |  |             |
| [NASA RELEASE-83-132]  | P83-10167               | 06        | SUGGESTED REMARKS: INAUGURAL LECTURE: JAMES WEBB FUND FOR EXCELLENCE IN PUBLIC ADMINISTRAT | E.<br>CION, |
| GRAY, RICHARD E. NASA BOARD REPORTS FINDINGS ON T-37   | CRASH                   |           | WASHINGTON, D.C. P83-10261   | 05          |
| (NASA RELEASE-83-147)  | P83-10182               | 06        | GROSS, HARRY No  |             |
| GREAVES, J. R.   |                         |           | PEATURE EVA [NASA RELEASE-83-36] P83-10047   | 06          |
| GOES-F LAUNCH SET FOR APRIL 28 (NASA RELEASE-83-63)  | P83-10074               | 06        |  |             |
| GREELEY, RONALD  |                         |           | GRUGHI, G. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS                                   |             |
| NASA ACCEPTS 18 STUDY PROPOSALS FOR  | SPACE STAT              | ION       | PIRST MISSION [NASA RELEASE-83-173] P83-10209  | Λ6          |
| UTILIZATION [NASA RELEASE-83-31]   | P83-10042               | 06        | [ NASA RELEASE-03-1/3 ] F03-10203  | vo          |
| •  |                         |           |  |             |
| GREEN, HL.<br>STS-9 TO CARRY EUROPEAN-BUILT SPACEI   | LAB ON ITS              |           | Н  |             |
| FIRST MISSION<br>[NASA RELEASE-83-173]   |                         | 06        | HABING, HARM  NASA TO LAUNCH COOPERATIVE INTERNATIONAL SATEI [NASA RELEASE-83-1] P83-10001 |             |
| GRRN. JANES  |                         |           | •  |             |
| NASA TESTS HIGH SPEED DATA MANAGEMEN   | NT SYSTEM/M:            | SPC<br>06 | INFRARED ASTRONOMICAL SATELLITE (IRAS) RESULTS BRIEFING SET                                | S           |
|  | 103 10005               | 00        | [NASA RELEASE-83-161] P83-10197  | 06          |
| GREEN, SIMON TRAS DISCOVERS NEW OBJECT IN THE SOL  | LAR SYSTEM              |           | HACKETT. VAN   |             |
| IRAS DISCOVERS NEW OBJECT IN THE SOI<br>(NASA RELEASE-83-171)                                      | P83-10207               | 06        | STS-6 POSTFLIGHT CREW CONFERENCE P83-10135   | 05          |
| GREENE, JAY STS-8 FLIGHT PLAN BRIEFING GREGRE. G.  |                         |           | HARBERLE, HEINZ  |             |
| STS-8 FLIGHT PLAN BRIEFING   | P83-10150               | 05        | INTERGOVERNMENTAL MEETING OF SPACE TECHNOLOGY  |             |
| GREGER, G.   |                         |           | EXPERTS PLANNED [NASA RELEASE-83-8] P83-10008  | 06          |
| STS-9 TO CARRY PUROPRANARITY SPACE   | LAB ON ITS              |           |  |             |
| FIRST MISSION [NASA RELEASE-83-173]  | P83-10209               | 06        | 1958 - 1983 OUR FIRST QUARTER CENTURY OF   |             |
|  |                         |           | ACHIEVEMENTJUST THE BEGINNING  | 06          |
| CREWNEMBERS NAMED FOR STS-13, SPACE  | LAB 2 AND 3             |           | [NASA RELEASE-83-132] P83-10167  |             |
| [NASA RELEASE-83-22]   | P83-10022               | 06        | NASA TO HOLD INTERPAITH CELEBRATION AT WASHING   | GTON        |
| 1958 - 1983 OUR FIRST QUARTER CENTUI   | RY OF                   |           | [NASA RELEASE-83-152] P83-10187  | 06          |
| ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]  | P83-10167               | 06        | HALE, GEORGE ELLERY  |             |
| NASA TO HOLD INTERFAITH CELEBRATION  |                         |           | SPACE TELESCOPE RENAMED AS EDWIN P. HUBBLE SPATELESCOPE                                    | ACE         |
| CATHEDRAL  | AT WASHING              | 108       | [NASA RELEASE-83-155] P83-10190  | 06          |
| (NASA RELEASE-83-152)  | P83-10187               |           | HALL, CHARLIE  |             |
| NEW ASTRONAUT SHUTTLE PLIGHT ASSIGNATION [NASA RELEASE-83-179]                                     | MENTS MADE<br>P83-10215 |           | SUGGESTED REMARKS: PIONEER 10 RECEPTION, NAT:<br>AIR AND SPACE MUSEUM P83-10146            |             |
| CRIFFIN, GERALD D.   |                         |           | HALLEY, EDMUND   |             |
| CHALLENGER FIRST FLIGHT TO DEPLOY TO PEATURE EVA   | DRS-A AND               |           | NEW COMET DISCOVERED BY IRAS SCIENTISTS [NASA RELEASE-83-70] P83-10081                     | 06          |
| [NASA RELEASE-83-36]   | P83-10047               | 06        | [HASA MILLIASE-05-70]  | •••         |
| AMBITIOUS STS-7 MISSION TO FEATURE   | PTDST 13NDT             | NC        | HALPERIN, RICHARD STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS                            | ;           |
| AT KENNEDY   |                         |           | FIRST MISSION  |             |
| [NASA RELEASE-83-87]   | P83-10098               | 06        | [NASA RELEASE-83-173] P83-10209  | 06          |
| NIGHT LAUNCH AND LANDING SET FOR ST  |                         |           | HAMAHAKA, S.   |             |
|  | P83-10130               | 06        | 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING                     |             |
| JOHNSON CENTER PLANS TO CONSOLIDATE [NASA RELEASE-83-157]  | STS OPERAT<br>P83-10192 |           | (NASA RELEASE-83-132) P83-10167  | 06          |
| STS-9 TO CARRY EUROPEAN-BUILT SPACE  | LAB ON ITS              |           | HANCOCK, T. 1958 - 1983 QUE PIRST QUARTER CENTURY OF                                       |             |
| PIRST MISSION  |                         | 0.5       | ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167                              | 0.6         |
| [NASA RELEASE-83-173]  | 203-10209               |           | ,  |             |
| CRIGGS, STABLEY DAVID 1958 - 1983 OUR FIRST QUARTER CENTU  | RY OP                   |           | HANNAPIN, JERRY STS-6 PREFLIGHT BRIEFING/SUIT FAILURE REPORT                               |             |
| ACHIEVEMENTJUST THE BEGINNING  |                         |           | P83-10032  |             |
| (NASA RELEASE-83-132)  | P83-10167               | 06        | STS-6 PLIGHT PLAN BRIEFING P83-10035   | 05          |
| SHUTTLE CREWS SELECTED   |                         |           |  |             |
| [NASA RELEASE-83-142]  | P83-10177               | U6        | STS-7 PREFLIGHT BRIEFING/FLIGHT PLAN P83-10140   | 05          |
| NEW ASTRONAUT SHUTTLE PLIGHT ASSIGN<br>[NASA RELEASE-83-179]                                       | MENTS MADE<br>P83-10215 | 06        |  |             |

| CMC-7 DRIPLY CDRIL DRICC CONDENSION   |  |
|---|--|
| STS-7 PREFLIGHT CREW PRESS CONFERENCE P83-10142 05  | NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE<br>[NASA RELEASE-83-179] P83-10215 06  |
| STS-9 SCIENCE BRIEFING P83-10245 05   | HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271 06   |
| STS-9 PREPLIGHT BRIEFING (FLIGHT DIRECTOR)<br>P83-10257 05  | HAUERSPERGER, KARLA  |
| HARDY, GRORGE<br>STS-6 2ND FRF BRIEFING FROM KSC P83-10028 05   | THIRD SHUTTLE STUDENTS CONFERENCE TO BE HELD IN WASHINGTON [NASA RELEASE-83-112] P83-10123 06  |
| HARRINGTON, J. C.   | HAUSER, MICHAEL  |
| STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS<br>PIRST MISSION<br>[NASA RELEASE-83-173] P83-10209 06  | NASA TO LAUNCH COOPERATIVE INTERNATIONAL SATELLITE [NASA RELEASE-83-1] P83-10001 06  |
| HARRINGTON, J. F., III  | INFRARED ASTRONOMICAL SATELLITE (IRAS) RESULTS<br>BRIEFING SET   |
| STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS<br>PIRST MISSION  | [NASA RELEASE-83-161] P83-10197 06   |
| [NASA RELEASE-83-173] P83-10209 06  | HAVLEY, STEVEN A.  CREWS NAMED FOR STS-11 AND STS-12   |
| HARRIS, GEORGE COMMUNICATIONS SATELLITE BOOSTED INTO  | [NASA RELEASE-83-15] P83-10015 06  |
| GEOSYNCHRONOUS ORBIT [NASA RELEASE-83-104] P83-10115 06   | PIRST COMMERCIAL PAYLOAD SPECIALIST FOR SHUTTLE NAMED  |
| STS-8 FLIGHT PLAN BRIEFING P83-10150 05   | [NASA RELEASE-83-105] P83-10116 06   |
| HARSH, JOHN   | 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING   |
| STS-7 PREFLIGHT CREW PRESS CONFERENCE P83-10142 05  | [NASA RELEASE-83-132] P83-10167 06   |
|   | NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS HADE  |
| HART, TERRY J.  CREWHENBERS NAMED FOR STS-13, SPACELAB 2 AND 3  | [NASA RELEASE-83-179] P83-10215 06   |
| [NASA RELEASE-83-22] P83-10022 06   | HAYES, JERRY STS-7 PREFLIGHT CREW PRESS CONFERENCE   |
| 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING  | P83-10142 05   |
| [NASA RELEASE-83-132] P83-10167 06  | STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS  |
| NEW ASTRONAUT SHUTTLE PLIGHT ASSIGNMENTS HADE   | FIRST MISSION [NASA RELEASE-83-173] P83-10209 06   |
| [NASA RELEASE-83-179] P83-10215 06  | HEACOCK, E. LARRY  |
| STS-9 SCIENCE BRIEFING P83-10245 05   | GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63] P83-10074 06   |
| HARTSPIELD, HENRY WARREN, JR. CREWS NAMED FOR STS-11 AND STS-12   | HEARTH, DONALD P.  |
| [NASA RELEASE-83-15] P83-10015 06   | LANGLEY RESEARCHER NAMED WAS INVENTORY OF THE YEAR P83-10080 06  |
| PIRST COMMERCIAL PAYLOAD SPECIALIST FOR SHUTTLE   | HEBERT, DANIEL J.  |
| [NASA RELEASE-83-105] P83-10116 06  | PINALISTS CHOSEN IN THIRD SHUTTLE STUDENT  |
| 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING  | INVOLVEMENT PROJECT [NASA BELEASE-83-92] P83-10103 06  |
| [NASA RELEASE-83-132] P83-10167 06  | нејја, а.  |
| NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE   | 1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING   |
| [NASA RELEASE-83-179] P83-10215 06  | [NASA RELEASE-83-132] P83-10167 06   |
| HATELID, JOHN E. CHALLENGER FIRST FLIGHT TO DEPLOY TORS-A AND   | HEMINGWAY, ERNEST SUGGESTED REMARKS: INTERNATIONAL APPROSPACE  |
| PEATURE EVA [NASA RELEASE-83-36] P83-10047 06   | SYMPOSIUM, PARIS AIR SHOW P83-10144 05   |
|   | HENDERSON, DONALD W.   |
| HAUCK, FREDERICK H.  JUNE 18 SET AS LAUNCH DATE FOR STS-7   | IUS INVESTIGATION BOARD MEMBERS NAMED [NASA RELEASE-83-49] P83-10060 06  |
| [NASA RELEASE-83-72] P83-10038 06   | HENDRICKS, J.  |
| AMBITIOUS STS-7 MISSION TO PEATURE FIRST LANDING<br>AT KENNEDY  | 1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING  |
| [NASA RELEASE-83-87] P83-10098 06   | [NASA RELEASE-83-132] P83-10167 06   |
| STS-7 PREFLIGHT CREW PRESS CONFERENCE   | HENIZE, KARL GORDON  |
| P83-10142 05  | CREWMEMBERS NAMED FOR STS-13, SPACELAB 2 AND 3   |
| ### # ################################  | [NASA RELEASE-83-22] P83-10022 06  |
| STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148 05   | •  |
| P83-10148 05  | 1958 - 1983 OUR PIEST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING   |
| P83-10148 05<br>1958 - 1983 OUR FIRST QUARTER CENTURY OF<br>ACHIEVEMENT-JUST THE BEGINNING  | 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06   |
| P83-10148 05  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06   | 1958 - 1983 OUR PIEST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING   |
| P83-10148 05<br>1958 - 1983 OUR FIRST QUARTER CENTURY OF<br>ACHIEVEMENT-JUST THE BEGINNING  | 1958 - 1983 QUE PIEST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE [NASA RELEASE-83-179] P83-10215 06  HEPBURN, KEN   |
| P83-10148 05  1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142] P83-10177 06  NASA TO HOLD INTERFAITH CELEBRATION AT WASHINGTON | 1958 - 1983 QUR PIEST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE [NASA RELEASE-83-179] P83-10215 06  HEPBURN, KEN NASA AND CANADIANS SIGN COOPERATIVE ARRANGEMENT |
| P83-10148 05  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  SHUTTLE CREWS SELECTED [NASA RELEASE-83-142] P83-10177 06  | 1958 - 1983 QUE PIEST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE [NASA RELEASE-83-179] P83-10215 06  HEPBURN, KEN   |

| HEPPNEE, JAMES P. CHEMICAL CLOUDS TO BE VISIBLE ALONG [NASA RELEASE-83-107]        | EAST COAST<br>P83-10118 | 06   | HOBBS, HERMAN H.  NASA ACCEPTS 18 STUDY PROPOSALS FOR SPACE STATE UTILIZATION                                 | ION      |
|--|-------------------------|------|---|----------|
| •  |                         |      | [NASA RELEASE-83-31] P83-10042  | 06       |
| HERSE, M. STS-9 TO CARRY EUROPEAN-BUILT SPACEI FIRST MISSION [NASA RELEASE-83-173] | LAB ON ITS<br>P83-10209 |      | HOCKER, ALEXANDER STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173] P83-10209 | 06       |
| HEYMAN, JAY B.   |                         |      | [ HASA RELEASE-03-173 ] F03-10203   | 00       |
| NASA TO HOLD INTERPAITH CELEBRATION CATHEDRAL                                      | P83-10187               |      | HOFF, CHARLES 41-B PREFLIGHT PRESS CONFERENCE/FLIGHT PLAN P83-10276   | 05       |
| HEYMAN, JOSEPH S.  |                         |      | HOPPHAN, JEFFREY A.   |          |
| LANGLEY RESEARCHER NAMED NASA INVEN  | TORY OF THE P83-10080   |      | 1958 - 1983 QUE FIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167       | 06       |
| STS-9 TO CARRY EUROPEAN-BUILT SPACE  | LAB ON ITS              |      | SHOTTLE CREWS SELECTED  |          |
| FIRST MISSION  | 202 10000               | 06   | [NASA RELEASE-83-142] P83-10177   | 06       |
| [NASA RELEASE-83-173]  | P83-10209               | 06   | NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE   |          |
| HILL, CAROL STS-9 PREFLIGHT SPACELAB PRESS CONF.                                   |                         | 05   | (NASA RELEASE-83-179) P83-10215   | 06       |
|  |                         |      | 1958 - 1983 QUR PIRST QUARTER CENTURY OF  |          |
| HILMERS, DAVID C.  | D. W. O. D.             |      | ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167   | 0.6      |
| 1958 - 1983 OUR FIRST QUARTER CENTUM<br>ACHIEVEMENTJUST THE BEGINNING              | RI OF                   |      | [ 201-10107   | 00       |
| [NASA RELEASE-83-132] NEW ASTRONAUT SHUTTLE FLIGHT ASSIGN                          | P83-10167               | 06   | HOPMANN, H  STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS PIRST MISSION                                       |          |
|  | P83-10215               | 06   | [NASA RELEASE-83-173] P83-10209   | 06       |
|  |                         |      | HAIDIHIW DIGHIDA  |          |
| HINES, BILL<br>STS-7 PREFLIGHT BACKGROUND BRIEFING                                 | S. SPAS                 |      | HOLDAWAY, RICHARD NASA TO LAUNCH COOPERATIVE INTERNATIONAL SATEL  | LITE     |
| DID- F FREI DIGHT DECKOROUND DEIDI ING   | P83-10139               | 05   | [NASA RELEASE-83-1] P83-10001   |          |
| STS-7 PREFLIGHT BRIEFING/FLIGHT PLA  | N<br>P83-10140          | 05   | HOLLOWAY, PAUL SUGGESTED REMARKS: SPACE STATION TECHNOLOGY WORKSHOP, WILLIAMSBURG, VIRGINIA P83-10137         | 05       |
| STS-9 PREFLIGHT CREW PRESS CONFEREN  |                         |      |   |          |
|  | P83-10260               | 05   | HOLLOWAY, THOMAS WESLEY + STS-7 PREFLIGHT BRIEFING/FLIGHT PLAN  |          |
| HINNERS, NOEL W. CHALLENGER FIRST FLIGHT TO DEPLOY T FEATURE EVA                   | DRS-A AND               |      | P83-10140   | 05       |
|  | P83-10047               | 06   | STS-7 PREFLIGHT BRIEFING/FLIGHT PLAN  |          |
| WALL TO LANGUE DOL GLOCKED   |                         |      | P83-10140   | 05       |
|  | P83-10055               |      | STS-7 PREFLIGHT CREW PRESS CONFERENCE P83-10142   | 05       |
| PLANETARY EXPLORATION THROUGH YEAR [NASA RELEASE-83-50]                            | P83-10061               |      | STS-8 FLIGHT PLAN BRIEFING P83-10150  | 05       |
| GOES-F LAUNCH SET FOR APRIL 28   | P83-10074               |      | HOLHOURST, DOWALD LEE<br>1958 - 1983 QUE FIRST QUARTER CENTURY OF   |          |
| ·  |                         |      | ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167   | 0.6      |
| NASA SLATES MAJOR PARIS AIR SHOW AC [NASA RELEASE-83-73]                           |                         | 06   | [NASA RELEASE-83-132] P83-10167   | 00       |
| NASA TO LAUNCH EUROPEAN X-RAY OBSER  |                         |      | HOMMEL, MARK J. NASA SELECTS SMALL BUSINESS RESEARCH PROPOSALS  | <b>;</b> |
| [NASA RELEASE-83-74]   | P83-10085               |      | [NASA RELEASE-83-138] P83-10173   | 06       |
| AMBITIOUS STS-7 MISSION TO FEATURE   | PIRST LANDI             | NG   | HOPE, BOB   |          |
| AT KENNEDY   |                         |      | BOB HOPE HOPES TO BECOME SPACE TRAVELER   |          |
| [NASA RELEASE-83-87]   | P83-10098               | 06   | [NASA RELEASE-83-139] P83-10174   | 06       |
| NASA TO LAUNCH GALAXY-A SATELLITE [NASA BELEASE-83-101]                            | P83-10112               |      | + STS-9 PREFLIGHT BRIEFING (FLIGHT DIRECTOR) P83-10257  | 05       |
| COMMUNICATIONS SATELLITE BOOSTED IN  | TO                      |      | HOPKINS, W. G.  |          |
| GEOSYNCHRONOUS ORBIT   |                         |      | STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS   |          |
| [NASA RELEASE-83-104]  | P83-10115               | 06   | FIRST MISSION [NASA RELEASE-83-173] P83-10209   | 0.6      |
| NASA TO LAUNCH TELSTAR 3A COMMUNICA  | TIONS SATEL             | LITE | [ 203 10203   | 00       |
| [NASA RELEASE-83-110]  | P83-10121               |      | HORNECK, G. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS   |          |
| NIGHT LAUNCH AND LANDING SET FOR ST  | 25-8<br>P83-10130       | 06   | PIRST MISSION [NASA RELEASE-83-173] P83-10209   | 06       |
| STS-9 TO CARRY EUROPEAN-BUILT SPACE  | LAB ON ITS              |      | HORTON, JEFF  |          |
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| HARK, DARWIN, CHARLES SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05  HARK, HAWS FISCAL YEAR 1984 BUDGET ERIEFING P83-10027 05  CHALLENGER PIRST FLIGHT TO DEPLOY TDRS-A AND FEATURE EVA [NASA RELEASE-83-36] P83-10047 06  FRENCH PRESIDENT VISITS ORBITER ENTERPRISE AT PARIS AIR SHOW [NASA RELEASE-83-84] P83-10095 06  | HAYO, CHARLES SUGGESTED REMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  MCADAMS, A. 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCANALLY, BOB STS-7 PREFLIGHT BACKGROUND BRIEFINGS: SPAS P83-10139 05  STS-7 PREFLIGHT BRIEFINGS: OSTA-2 P83-10141 05  MCBARROW, JIM STS-6 PREFLIGHT BRIEFING ON EVA P83-10033 05  |
| HARK, DARWIN, CHARLES SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05  HARK, HAWS FISCAL YEAR 1984 BUDGET BRIEFING P83-10027 05  CHALLENGER FIRST PLIGHT TO DEPLOY TDRS-A AND FRATURE EVA [NASA RELEASE-83-36] P83-10047 06  FRENCH PRESIDENT VISITS ORBITER ENTERPRISE AT PARIS AIR SHOW [NASA RELEASE-83-84] P83-10095 06  AMBITIOUS STS-7 MISSION TO FEATURE PIRST LANDING AT KENNEDY   | SUGGESTED REMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  MCADAMS, A.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCAWALLY, BOB STS-7 PREFLIGHT BACKGROUND BRIEFINGS: SPAS P83-10139 05  STS-7 PREFLIGHT BRIEFINGS: OSTA-2 P83-10141 05  MCBARROW, JIM STS-6 PREFLIGHT BRIEFING ON EVA P83-10033 05  MCBRIDE, JOW A.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING  |
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| HARK, DARNIN, CHARLES SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05  HARK, HAWS FISCAL YEAR 1984 BUDGET BRIEFING P83-10027 05  CHALLENGER FIRST PLIGHT TO DEPLOY TDRS-A AND FEATURE EVA [NASA RELEASE-83-36] P83-10047 06  FRENCH PRESIDENT VISITS ORBITER ENTERPRISE AT PARIS AIR SHOW [NASA RELEASE-83-84] P83-10095 06  AMBITIOUS STS-7 MISSION TO FEATURE PIRST LANDING AT KENNEDY [NASA RELEASE-83-87] P83-10098 06  NIGHT LAUNCH AND LANDING SET FOR STS-8 P83-10130 06  SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05   | SUGGESTED REMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  MCADAMS, A.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCANALLY, BOB STS-7 PREFLIGHT BACKGROUND BRIEFINGS: SPAS P83-10139 05  STS-7 PREFLIGHT BRIEFINGS: OSTA-2 P83-10141 05  MCBARROW, JIM STS-6 PREFLIGHT BRIEFING ON EVA P83-10033 05  MCBRIDE, JOW A.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE [NASA RELEASE-83-179] P83-10215 06   |
| HARK, DARWIN, CHARLES SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM  HARK, HAWS FISCAL YEAR 1984 BUDGET BRIEFING CHALLENGER FIRST PLIGHT TO DEPLOY TDRS-A AND FEATURE EVA [NASA RELEASE-83-36] FRENCH PRESIDENT VISITS ORBITER ENTERPRISE AT PARIS AIR SHOW [NASA RELEASE-83-84] P83-10095 O6  AMBITIOUS STS-7 MISSION TO FEATURE FIRST LANDING AT KENNEDY [NASA RELEASE-83-87] P83-10098 O6  NIGHT LAUNCH AND LANDING SET FOR STS-8 P83-10130 O6  SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 O5  | SUGGESTED REMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  MCADAMS, A.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCANALLY, BOB STS-7 PREFLIGHT BACKGROUND BRIEFINGS: SPAS P83-10139 05  STS-7 PREFLIGHT BRIEFINGS: OSTA-2 P83-10141 05  MCBARRON, JIM STS-6 PREFLIGHT BRIEFING ON EVA P83-10033 05  MCBRIDE, JON A.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  NEW ASTRONAUT SHUTTLE PLIGHT ASSIGNMENTS MADE  |
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| HARK, DARNIN, CHARLES SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05  HARK, HAWS FISCAL YEAR 1984 BUDGET BRIEFING P83-10027 05  CHALLENGER FIRST FLIGHT TO DEPLOY TDRS-A AND FEATURE EVA [NASA RELEASE-83-36] P83-10047 06  FRENCH PRESIDENT VISITS ORBITER ENTERPRISE AT PARIS AIR SHOW [NASA RELEASE-83-84] P83-10095 06  AMBITIOUS STS-7 MISSION TO FEATURE FIRST LANDING AT KENNEDY [NASA RELEASE-83-87] P83-10098 06  NIGHT LAUNCH AND LANDING SET FOR STS-8 P83-10130 06  SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS  | SUGGESTED REMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  MCADAHS, A.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCANALLY, BOB STS-7 PREFLIGHT BACKGROUND BRIEFINGS: SPAS P83-10139 05  STS-7 PREFLIGHT BRIEFINGS: OSTA-2 P83-10141 05  MCBARRON, JIM STS-6 PREFLIGHT BRIEFING ON EVA P83-10033 05  MCBRIDE, JON A.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCCAPFREY, M.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-179] P83-10167 06  MCCAPFREY, M.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06   |
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| HARK, DARNIN, CHARLES SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05  HARK, HAWS PISCAL YEAR 1984 BUDGET BRIEFING P83-10027 05  CHALLENGER FIRST FLIGHT TO DEPLOY TDRS-A AND PEATURE EVA [NASA RELEASE-83-36] P83-10047 06  PRENCH PRESIDENT VISITS ORBITER ENTERPRISE AT PARIS AIR SHOW [NASA RELEASE-83-84] P83-10095 06  AMBITIOUS STS-7 MISSION TO FEATURE PIRST LANDING AT KENNEDY [NASA RELEASE-83-87] P83-10098 06  NIGHT LAUNCH AND LANDING SET FOR STS-8 P83-10130 06  SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM P83-10146 05  1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173] P83-10209 06  MARKWORTH, A. J. AHBITIOUS STS-7 MISSION TO PEATURE FIRST LANDING  | SUGGESTED REMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  MCADAHS, A.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCANALLY, BOB STS-7 PREFLIGHT BACKGROUND BRIEFINGS: SPAS P83-10139 05  STS-7 PREFLIGHT BRIEFINGS: OSTA-2 P83-10141 05  MCBARRON, JIM STS-6 PREFLIGHT BRIEFING ON EVA P83-10033 05  MCBRIDE, JON A.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCCAPFREY, M.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-179] P83-10167 06  MCCAPFREY, M.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06   |
| HARK, DARWIN, CHARLES SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM  HARK, HAWS FISCAL YEAR 1984 BUDGET BRIEFING  CHALLENGER FIRST FLIGHT TO DEPLOY TDRS-A AND FEATURE EVA [NASA RELEASE-83-36]  FRENCH PRESIDENT VISITS ORBITER ENTERPRISE AT PARIS AIR SHOW [NASA RELEASE-83-84]  PASI-10095  AMBITIOUS STS-7 MISSION TO FEATURE FIRST LANDING AT KENNEDY [NASA RELEASE-83-87]  PASI-10098  NIGHT LAUNCH AND LANDING SET FOR STS-8 PASI-10130  SUGGESTED REMARKS: PIONEER 10 RECEPTION, NATIONAL AIR AND SPACE MUSEUM  PASI-10146  STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173]  PASI-10209  O6  MARKWORTH, A. J.  | SUGGESTED REMARKS: AGENCY-WIDE HONOR AWARDS CEREMONY P83-10239 06  MCADAMS, A.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCANALLY, BOB STS-7 PREFLIGHT BACKGROUND BRIEFINGS: SPAS P83-10139 05  STS-7 PREFLIGHT BRIEFINGS: OSTA-2 P83-10141 05  MCBARROW, JIM STS-6 PREFLIGHT BRIEFING ON EVA P83-10033 05  MCBRIDE, JOH A.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCCAPPREY, H.  1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCCAPPREY, H.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167 06  MCCALL, R.  1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING |

| NASA TO LAUNCH RCA SATCOMIR  |  |  |  |  |
|--|--|--|--|--|
| [NASA RELEASE-83-44]   | P83-10055  | 06   | MCKAY, DAVID W<br>FINALISTS CHOSEN IN THIRD SHUTTLE STUDENT  |  |
| GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]  | P83-10074  | 06   | INVOLVEMENT PROJECT [NASA RELEASE-83-92] P83-10103   | 06   |
| NASA TO LAUNCH EUROPEAN X-RAY OBSE.<br>[NASA RELEASE-83-74]  | RVATORY SATE<br>P83-10085  |  | MCHAHON, P. 1958 - 1983 QUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING   |  |
| NASA TO LAUNCH GALAXY-A SATELLITE<br>[NASA RELEASE-83-101]   | P83-10112  | 06   | [NASA RELEASE-83-132] P83-10167  | 06   |
| NASA TO LAUNCH TELSTAR 3A COMMUNIC   | ATIONS SATEL   | LITE   | MCHAHON, H.<br>1958 - 1983 QUR FIRST QUARTER CENTURY OF<br>ACHIEVEMENTJUST THE BEGINNING   |  |
| [NASA RELEASE-83-110]  | P83-10121  | 06   | [NASA RELEASE-83-132] P83-10167  | 06   |
| MCCAMDLESS, BRUCE, II CREWS NAMED FOR STS-11 AND STS-12 [NASA RELEASE-83-15]   | P83-10015  | 06   | MCHANN, TRACY<br>STS-6 PREFLIGHT BRIEFING/ORBITER CHANGES<br>P83-10031   | 05   |
| 1958 - 1983 OUR PIRST QUARTER CENT<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]   | DRY QF<br>P83-10167  | 06   | MCHAIR, ROWALD E.  CREWS NAMED FOR STS-11 AND STS-12 [NASA RELEASE-83-15] P83-10015  | 06   |
| NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNED IN ASSES OF THE PROPERTY | MENTS HADE<br>P83-10215  | 06   | 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENTJUST THE BEGINNING   |  |
| SHUTTLE BRIEFINGS SCHEDULED IN HOUS  | STON   |  | [NASA RELEASE-83-132] P83-10167  | 06   |
| [NASA RELEASE-83-194]  | P83-10230  |  | NEW ASTRONAUT SHUTTLE FLIGHT ASSIGNMENTS MADE<br>[NASA RELEASE-83-179] P83-10215   | 06   |
| STS-9 SCIENCE BRIEFING   | P83-10245  | 05   | CHIMMI II DETERMINE CONTROL III  |  |
| STS-11 EVA TIMELINE BRIEFING   | P83-10275  | 05   | SHUTTLE BRIEFINGS SCHEDULED IN HOUSTON [NASA RELEASE-83-194] P83-10230   | 06   |
| 41-B PREFLIGHT PRESS CONFERENCE/FLI  | IGHT PLAN<br>P83-10276   | 05   | STS-11 EVA TIMELINE BRIEFING P83-10275   | 05   |
| + FLIGHT 41-5 PRE-MISSION CREW PRESS   |  |  | 41-B PREFLIGHT PRESS CONFERENCE/PLIGHT PLAN<br>P83-10276   | 05   |
| MCCHRISTIAN, LESTER S., JR.  |  | V5   | FLIGHT 41-5 PRE-MISSION CREW PRESS CONFERENCE<br>P83-10277   | 05   |
| IUS INVESTIGATION BOARD MEMBERS NAM<br>[NASA RELEASE-83-49]  | 1ED<br>P83-10060   | 06   | MANAMARA DOD   |  |
| ( Masa Melease-05-49 )   | 203-10060  | Vo   | MCNAMARA, BOB<br>SUGGESTED REMARKS: INAUGURAL LECTURE: JAMES   | F.   |
| HCCORNICK, M. PATRICK ATMOSPHERIC SATELLITE CONTINUES ST   | IDTRE  |  | WEBB FUND FOR EXCELLENCE IN PUBLIC ADMINISTRAT   | NOI:   |
|  | P83-10228  | Λ.6  | WASHINGTON, D.C. P83-10261   | 05   |
|  | 100 .0110  | 00   |  |  |
| MCCOV - J II   | 100 10220  | 06   | MEDARIS, J. B.   |  |
| MCCOY, J., II<br>1958 - 1983 OUR FIRST QUARTER CENTU   |  | 00   | MEDARIS, J. B. EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO   |  |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING   | IRY OF   |  | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25  | 06   |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]  |  |  | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010 MERCHAM, MICHAEL  | 06   |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING   | IRY OF   | 06   | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010   |  |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]<br>HCCULLEW, ROW<br>STS-9 SCIENCE BRIEFING<br>MCCULLOCH, CLAY  | P83-10167  | 06   | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE  | 05   |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]<br>HCCULLEN, ROM<br>STS-9 SCIENCE BRIEFING   | P83-10167  | 06<br>05   | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  | 05<br>05                                     |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]  MCCULLEW, ROW<br>STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY<br>STS-8 PREFLIGHT BRIEFING: PDRS/PFT  | P83-10167 P83-10245 P83-10151  | 06<br>05   | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  HERCHAM, HICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA   | 05<br>05<br>05                               |
| 1958 - 1963 OUR FIRST QUARTER CENTU<br>ACHIEVEMENT-JUST THE BEGINNING<br>[NASA RELEASE-83-132]  MCCULLEN, RON STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/PPT  MCDIVITT, JAMES ALTON 1958 - 1963 OUR FIRST QUARTER CENTU<br>ACHIEVEMENT-JUST THE BEGINNING  | P83-10167 P83-10245 P83-10151  | 06<br>05<br>05                                     | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: P83-10150  STS-8 PREFLIGHT BRIEFING: PDRS/PFTA P83-10151  | 05<br>05<br>05                               |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]  MCCULLEW, ROW<br>STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY<br>STS-8 PREFLIGHT BRIEFING: PDRS/PFT  MCDIVITT, JAMES ALTON<br>1958 - 1983 OUR FIRST QUARTER CENTU  | P83-10167 P83-10245 P83-10151  | 06<br>05<br>05                                     | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  HERCHAM, HICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA   | 05<br>05<br>05                               |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENT-JUST THE BEGINNING<br>[NASA RELEASE-83-132]  BCCULLEW, ROW  STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY  STS-8 PREFLIGHT BRIEFING: PDRS/FFT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, FRANK SUGGESTED REMARKS: PIONEER 10 RECE  | P83-10167 P83-10245 P83-10151 PRY OF P83-10167 PRION, NATIO  | 06<br>05<br>05<br>06<br>0NAL                       | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  HERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: P83-10150  STS-8 PREFLIGHT BRIEFING: PDRS/PFTA P83-10151  STS-9 PREPLIGHT SPACELAB PRESS CONFERENCE   | 05<br>05<br>05<br>05                         |
| 1958 - 1983 OUR FIRST QUARTER CENTE<br>ACHIEVEMENT - JUST THE BEGINNING<br>[NASA RELEASE-83-132]  MCCULLEN, RON  STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY  STS-8 PREFLIGHT BRIEFING: PDRS/PFT  MCDIVITT, JAMES ALTON  1958 - 1983 OUR FIRST QUARTER CENTE<br>ACHIEVEMENT - JUST THE BEGINNING<br>[NASA RELEASE-83-132]  MCDONALD, FRANK  SUGGESTED REMARKS: PIONEER 10 RECE<br>AIR AND SPACE MUSEUM   | P83-10167 P83-10245 P83-10151 RY OF P83-10167  | 06<br>05<br>05<br>06<br>0NAL                       | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHARL  STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING P83-10150  STS-8 PREFLIGHT BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244   | 05<br>05<br>05<br>05                         |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENT-JUST THE BEGINNING<br>[NASA RELEASE-83-132]  BCCULLEW, ROW  STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY  STS-8 PREFLIGHT BRIEFING: PDRS/FFT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, FRANK SUGGESTED REMARKS: PIONEER 10 RECE  | P83-10167  P83-10245  P83-10151  P83-10167  P83-10167  | 06<br>05<br>05<br>06<br>0NAL                       | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: P83-10150  STS-8 PREFLIGHT BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10256  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2)   | 05<br>05<br>05<br>05<br>05                   |
| 1958 - 1963 OUR FIRST QUARTER CENTE<br>ACHIEVEMENT-JUST THE BEGINNING<br>[NASA RELEASE-83-132]  HCCULLEN, RON  STS-9 SCIENCE BRIEFING  HCCULLOCH, CLAY  STS-8 PREFLIGHT BRIEFING: PDRS/PFT  MCDIVITT, JAMES ALTON  1958 - 1983 OUR FIRST QUARTER CENTE<br>ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  HCDONALD, PRANK  SUGGESTED REMARKS: PIONEER 10 RECE<br>AIR AND SPACE MUSEUM  HCELROY, JOHN  INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED   | P83-10167  P83-10245  P83-10151  P83-10167  P83-10167  | 06<br>05<br>05<br>06<br>0NAL<br>05                 | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P83-10259  | 05<br>05<br>05<br>05<br>05                   |
| 1958 - 1963 OUR FIRST QUARTER CENTE<br>ACHIEVEMENT-JUST THE BEGINNING<br>[NASA RELEASE-83-132]  HCCULLEN, RON  STS-9 SCIENCE BRIEFING  HCCULLOCH, CLAY  STS-8 PREFLIGHT BRIEFING: PDRS/PFT  MCDIVITT, JAMES ALTON  1958 - 1983 OUR FIRST QUARTER CENTE<br>ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  HCDONALD, PRANK  SUGGESTED REMARKS: PIONEER 10 RECE<br>AIR AND SPACE MUSEUM  HCELROY, JOHN  INTERGOVERNMENTAL MEETING OF SPACE<br>EXPERTS PLANNED [NASA RELEASE-83-8]  HCELROY, JOHN H.  | P83-10167 P83-10245 P83-10151 RY OF P83-10167 PPTION, NATIC P83-10146 TECHNOLOGY   | 06<br>05<br>05<br>06<br>0NAL<br>05                 | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT BRIEFING: PDRS/PFTA P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREFLIGHT CREW PRESS CONFERENCE   | 05<br>05<br>05<br>05<br>05<br>05             |
| 1958 - 1963 OUR FIRST QUARTER CENTE ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE-83-132]  MCCULLEW, ROW STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/PFT  MCDIVITT, JAMES ALTON 1958 - 1963 OUR FIRST QUARTER CENTE ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, FRANK SUGGESTED REMARKS: PIONEER 10 RECEATE AIR AND SPACE MUSEUM  MCCLROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE-83-8]  MCCLROY, JOHN H. GOES-F LAUNCH SET FOR APRIL 28  | P83-10167 P83-10151 P83-10167 P83-10167 P83-10167 PRION, NATIC P83-10146 TECHNOLOGY P83-10008  | 06<br>05<br>05<br>06<br>08<br>05                   | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL  STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB \$2) P83-10259  STS-9 PREFLIGHT CREW PRESS CONFERENCE P83-10260   | 05<br>05<br>05<br>05<br>05<br>05             |
| 1958 - 1983 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  BCCULLEW, ROW STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/PPT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, PRANK SUGGESTED REMARKS: PIONEER 10 RECEATE AND SPACE MUSEUM  MCCELROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE-83-8]  MCCELROY, JOHN H.  GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]  | P83-10167 P83-10245 P83-10151 RY OF P83-10167 PPTION, NATIC P83-10146 TECHNOLOGY   | 06<br>05<br>05<br>06<br>08<br>05                   | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10] P83-10010  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREPLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREPLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREPLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREPLIGHT CREW PRESS CONFERENCE P83-10260  MEIGS, J.  | 05<br>05<br>05<br>05<br>05<br>05             |
| 1958 - 1963 OUR FIRST QUARTER CENTE ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE-83-132]  MCCULLEN, RON STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/PPT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTE ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, PRANK SUGGESTED REMARKS: PIONEER 10 RECEATE AIR AND SPACE MUSEUM  MCELROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE-83-8]  MCCLROY, JOHN H. GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]  MCGHAN, CATHERINE  | P83-10167 P83-10245 P83-10151 P83-10167 P83-10167 PRION, NATIO P83-10146 TECHNOLOGY P83-10008  | 06<br>05<br>05<br>06<br>08<br>05                   | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10]  MERCHAM, MICHAEL  STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREFLIGHT CREW PRESS CONFERENCE P83-10260  MRIGS, J. 1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING   | 05<br>05<br>05<br>05<br>05<br>05<br>05       |
| 1958 - 1983 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  BCCULLEW, ROW STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/PPT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, PRANK SUGGESTED REMARKS: PIONEER 10 RECEATE AND SPACE MUSEUM  MCCELROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE-83-8]  MCCELROY, JOHN H.  GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]  | P83-10167 P83-10245 P83-10151 P83-10167 P83-10167 PRION, NATIO P83-10146 TECHNOLOGY P83-10008  | 06<br>05<br>05<br>06<br>08AL<br>05                 | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10]  MERCHAM, MICHAEL  STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREFLIGHT CREW PRESS CONFERENCE P83-10260  MEIGS, J. 1958 - 1983 OUR PIRST QUARTER CENTURY OF  | 05<br>05<br>05<br>05<br>05<br>05<br>05       |
| 1958 - 1963 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCCULLEN, RON STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/PPT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, PRANK SUGGESTED REMARKS: PIONEER 10 RECEATE AIR AND SPACE MUSEUM  MCELROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE-83-8]  MCCLROY, JOHN H. GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]  MCGHAN, CATHERINE PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]   | P83-10167 P83-10245 P83-10151 P83-10167 P83-10167 P83-10146 TECHNOLOGY P83-10008 P83-10074 SYSTEM  | 06<br>05<br>05<br>06<br>08AL<br>05                 | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10]  MERCHAM, MICHAEL  STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREFLIGHT CREW PRESS CONFERENCE P83-10260  MEIGS, J. 1958 - 1983 OUR FIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MELLORS, W.  | 05<br>05<br>05<br>05<br>05<br>05<br>05       |
| 1958 - 1983 OUR FIRST QUARTER CENTER ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE-83-132]  MCCULLEN, ROM STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/FFT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTER ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, FRANK SUGGESTED REMARKS: PIONEER 10 RECHAIR AND SPACE MUSEUM  MCELROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE-83-8]  MCCHLROY, JOHN H. GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]  MCGHAN, CATHERINE PIONEER 10 SPACECRAPT DEPARTS SOLAR [NASA RELEASE-83-91]  MCGUNIGAL, THOMAS E. SEARCH AND RESCUE INSTRUMENTATION T  | P83-10167 P83-10245 P83-10151 P83-10167 P83-10167 P83-10166 TECHNOLOGY P83-10008 P83-10074 SYSTEM P83-10102  | 06<br>05<br>05<br>06<br>08<br>06<br>06             | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10]  MERCHAM, MICHAEL  STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREPLIGHT BRIEFING: CFES P83-10149  STS-8 PREPLIGHT BRIEFING: PDRS/PFTA P83-10151  STS-9 PREPLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREPLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREPLIGHT CREW PRESS CONFERENCE P83-10260  MEIGS, J. 1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167   | 05<br>05<br>05<br>05<br>05<br>05<br>05       |
| 1958 - 1963 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCCULLEN, RON STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/PPT  MCDIVITT, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTE ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MCDONALD, PRANK SUGGESTED REMARKS: PIONEER 10 RECEATE AIR AND SPACE MUSEUM  MCELROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE-83-8]  MCCLROY, JOHN H. GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE-83-63]  MCGHAN, CATHERINE PIONEER 10 SPACECRAFT DEPARTS SOLAR [NASA RELEASE-83-91]  MCGUNIGAL, THOMAS E. SEARCH AND RESCUE INSTRUMENTATION T NOAA-E  | P83-10167 P83-10245 P83-10151 P83-10167 P83-10167 PTIQN, NATIO P83-10146 TECHNOLOGY P83-10008 P83-10008  P83-10008   | 06<br>05<br>05<br>06<br>00<br>06<br>06             | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10]  MERCHAM, MICHAEL  STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PLIGHT PLAN BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT BRIEFING: PDRS/PFTA P83-10244  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREFLIGHT CREW PRESS CONFERENCE P83-10260  MEIGS, J. 1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  MELLORS, W. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS   | 05<br>05<br>05<br>05<br>05<br>05<br>05       |
| 1958 - 1963 OUR FIRST QUARTER CENTE ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE - 83 - 132]  MCCULLEN, ROM STS-9 SCIENCE BRIEFING  MCCULLOCH, CLAY STS-8 PREFLIGHT BRIEFING: PDRS/FFT  MCCULLOCH, JAMES ALTON 1958 - 1983 OUR FIRST QUARTER CENTURE ACHIEVEMENT - JUST THE BEGINNING [NASA RELEASE - 83 - 132]  MCCDONALD, FRANK SUGGESTED REMARKS: PIONEER 10 RECEATE AIR AND SPACE MUSEUM  MCCLROY, JOHN INTERGOVERNMENTAL MEETING OF SPACE EXPERTS PLANNED [NASA RELEASE - 83 - 8]  MCCLROY, JOHN H. GOES-F LAUNCH SET FOR APRIL 28 [NASA RELEASE - 83 - 63]  MCGHAN, CATHERINE PIONEER 10 SPACECRAFT DEPARTS SOLAR [NASA RELEASE - 83 - 91]  MCGUNIGAL, THOMAS E. SEARCH AND RESCUE INSTRUMENTATION TOWARD [NASA RELEASE - 83 - 35]   | P83-10167 P83-10245 P83-10151 P83-10167 P83-10167 P83-10167 PRION, NATIO P83-10146 TECHNOLOGY P83-10008 P83-10008  P83-10074 SYSTEM P83-10102 O BE CARRIEL P83-10046 | 06 05 05 06 06 06 06 06 06 06                      | EXPLORER 1 LAUNCH ELEVATED NATION'S MORALE 25 YEARS AGO [NASA RELEASE-83-10]  MERCHAM, MICHAEL STS-7 POSTFLIGHT CREW PRESS CONFERENCE P83-10148  STS-8 PREFLIGHT BRIEFING: CFES P83-10149  STS-8 PREFLIGHT BRIEFING: PDRS/PFTA P83-10151  STS-9 PREFLIGHT SPACELAB PRESS CONFERENCE P83-10244  STS-9 SCIENCE BRIEFING P83-10245  STS-9 SCIENCE BRIEFING P83-10256  STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P83-10259  STS-9 PREFLIGHT CREW PRESS CONFERENCE P83-10260  MEIGS, J. 1958 - 1983 OUR PIRST QUARTER CENTURY OF ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] P83-10167  MELLORS, W. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173] P83-10209 | 05<br>05<br>05<br>05<br>05<br>05<br>05<br>05 |
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| HULLAME, RICHARD M.  CREWS NAMED FOR STS-11 AND STS-12  [NASA RELEASE-83-15]  FIRST COMMERCIAL PAYLOAD SPECIALIST NAMED  [NASA RELEASE-83-105]  1958 - 1983 OUR FIRST QUARTER CENTULACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGN [NASA RELEASE-83-179]  MULLER, G.  STS-9 TO CARRY EUROPEAN-BUILT SPACE: FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE: FIRST MISSION   | P83-10015  POR SHUTTL:  P83-10116  RY OF  P83-10167  MENTS HADE  P83-10215  LAB ON ITS  P83-10209   | 06<br>E<br>06<br>06<br>06                                     | [NASA RELEASE-83-179]  WANSEN, FRIDTJOF SUGGESTED REMARKS: INTERNATIONAL PLATFORM ASSOCIATION  SUGGESTED REMARKS: RECRUIT GRADUATION REVIEW GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS P83-10252  WAPOLITANO, L. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173]  WARCISI, ROCCO NASA TO LAUNCH THREE VAPOR EXPERIMENTS [NASA RELEASE-83-160]  WATHAW, ROBERT R. PANEL TO STUDY COMMERCIAL ENTERPRISE IN SPACE [NASA RELEASE-83-12]  P83-10012  WANGLE, JOHN E.  MASA TAKES FIRST STEPS TOWARDS FLYING CIVILIA SPACE  | 06 06 06 06 NS IN                            |
| HULLAME, RICHARD M.  CREWS NAMED FOR STS-11 AND STS-12  [NASA RELEASE-83-15]  FIRST COMMERCIAL PAYLOAD SPECIALIST NAMED  [NASA RELEASE-83-105]  1958 - 1983 OUR FIRST QUARTER CENTU. ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  WEW ASTRONAUT SHUTTLE FLIGHT ASSIGN [NASA RELEASE-83-179]  MULLER, G.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]   | P83-10015 POR SHUTTL: P83-10116 RY OF P83-10167 MENTS MADE P83-10215 LAB ON ITS P83-10209 LAB ON ITS  | 06 06 06 06 06  | [NASA RELEASE-83-179]  WANSEN, FRIDTJOF SUGGESTED REMARKS: INTERNATIONAL PLATFORM ASSOCIATION  SUGGESTED REMARKS: RECRUIT GRADUATION REVIEW GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS P83-10252  WAPOLITANO, L. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173]  WARCISI, ROCCO NASA TO LAUNCH THREE VAPOR EXPERIMENTS [NASA RELEASE-83-160]  WATHAW, ROBERT R. PANEL TO STUDY COMMERCIAL ENTERPRISE IN SPACE [NASA RELEASE-83-12]  P83-10012  WAUGLE, JOHN E.  NASA TAKES FIRST STEPS TOWARDS FLYING CIVILIA SPACE [NASA RELEASE-83-198]  P83-10265   | 06<br>05<br>05<br>06<br>06<br>06<br>NS IN    |
| HULLAME, RICHARD M.  CREWS NAMED FOR STS-11 AND STS-12  [NASA RELEASE-83-15]  FIRST COMMERCIAL PAYLOAD SPECIALIST NAMED  [NASA RELEASE-83-105]  1958 - 1983 OUR FIRST QUARTER CENTU. ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  WEW ASTRONAUT SHUTTLE FLIGHT ASSIGN [NASA RELEASE-83-179]  MULLER, G.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]   | P83-10015 POR SHUTTL: P83-10116 RY OF P83-10167 MENTS HADE P83-10215 LAB ON ITS P83-10209 LAB ON ITS P83-10209  | 06 E 06 06 06 06 06 LITE 106                                  | [NASA RELEASE-83-179]  WANSEN, FRIDTJOF SUGGESTED REMARKS: INTERNATIONAL PLATFORM ASSOCIATION  SUGGESTED REMARKS: RECEDIT GRADUATION REVIEW GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS P83-10252  WAPOLITANO, L. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS PIRST MISSION [NASA RELEASE-83-173]  WARCISI, ROCCO NASA TO LAUNCH THREE VAPOR EXPERIMENTS [NASA RELEASE-83-160]  WATHAN, BOBERT R. PANEL TO STUDY COMMERCIAL ENTERPRISE IN SPACE [NASA RELEASE-83-12]  WAUGLE, JOHN E. NASA TAKES FIRST STEPS TOWARDS FLYING CIVILIA SPACE [NASA RELEASE-83-198]  P83-10265  WAUMANN, ROBERT + STS-7 PREPLIGHT BRIEFINGS: OSTA-2 P83-10141  WAVIAS, ROB   | 06<br>05<br>05<br>06<br>06<br>06<br>NS IN    |
| HULLAME, RICHARD M.  CREWS NAMED FOR STS-11 AND STS-12  [NASA RELEASE-83-15]  FIRST COMMERCIAL PAYLOAD SPECIALIST NAMED [NASA RELEASE-83-105]  1958 - 1983 OUR FIRST QUARTER CENTU. ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGN [NASA RELEASE-83-179]  HULLER, G.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]  HULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE. FIRST MISSION [NASA RELEASE-83-173]  HURPHY, W. P.  NASA TO LAUNCH COOPERATIVE INTERNAT: [NASA RELEASE-83-1]  HUSGRAVE, FRANKLIN STORY STS-6 PREPLIGHT BRIEFING/SUIT FAILU.   | P83-10015  POR SHUTTL:  P83-10116  RY OP  P83-10167  MENTS MADE  P83-10215  LAB ON ITS  P83-10209  LAB ON ITS  P83-10209  IONAL SATELI  P83-10001  RE REPORT  P83-10032 | 06<br>E<br>06<br>06<br>06<br>06<br>10<br>06<br>LITE 10<br>06  | [NASA RELEASE-83-179]  WANSEN, PRIDTJOF SUGGESTED REMARKS: INTERNATIONAL PLATFORM ASSOCIATION  SUGGESTED REMARKS: RECEDIT GRADUATION REVIEW GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS P83-10252  WAPOLITAMO, L. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173]  WARCISI, ROCCO HASA TO LAUNCH THREE VAPOR EXPERIMENTS [NASA RELEASE-83-160]  WATHAM, BOBBET R. PANEL TO STUDY COMMERCIAL ENTERPRISE IN SPACE [NASA RELEASE-83-12]  WAUGLE, JOHN E. HASA TAKES FIRST STEPS TOWARDS FLYING CIVILIA SPACE [NASA RELEASE-83-198]  WAUMANN, ROBERT  + STS-7 PREPLIGHT BRIEFINGS: OSTA-2 P83-10141  WAVIAS, ROB STS-6 PREPLIGHT BRIEFING/ORBITER CHANGES P83-10031            | 06 05 06 06 06 05 05                         |
| HULLAWE, RICHARD M.  CREWS NAMED FOR STS-11 AND STS-12  [NASA BELEASE-83-15]  FIRST COMMERCIAL PAYLOAD SPECIALIST NAMED [NASA RELEASE-83-105]  1958 - 1983 OUR FIRST QUARTER CENTU. ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132]  NEW ASTRONAUT SHUTTLE FLIGHT ASSIGN [NASA RELEASE-83-179]  MULLER, G.  STS-9 TO CARRY EUROPEAN-BUILT SPACE: FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE: FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE: FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE: FIRST MISSION [NASA RELEASE-83-173]  MULLINGER, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE: FIRST MISSION [NASA RELEASE-83-173]  MUSGRAVE, FRANKLIN STORY  STS-6 PREPLIGHT BRIEFING ON EVA | P83-10015 POR SHUTTL: P83-10116 RY OF P83-10167 MENTS HADE P83-10215 LAB ON ITS P83-10209 LAB ON ITS P83-10209 LONAL SATEL! P83-10001 RE REPORT P83-10033               | 06 E 06 06 06 06 10 06 10 06 10 05 05                         | [NASA RELEASE-83-179]  WANSEN, FRIDTJOF SUGGESTED REMARKS: INTERNATIONAL PLATFORM ASSOCIATION  SUGGESTED REMARKS: RECRUIT GRADUATION REVIEW GREAT LAKES NAVAL TRAINING CENTER, ILLINOIS P83-10252  WAPOLITANO, L. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS FIRST MISSION [NASA RELEASE-83-173]  WARCISI, ROCCO NASA TO LAUNCH THREE VAPOR EXPERIMENTS [NASA RELEASE-83-160]  WATHAW, ROBERT R. PANEL TO STUDY COMMERCIAL ENTERPRISE IN SPACE [NASA RELEASE-83-12]  P83-10012  WAUGLE, JOHN E. WASA TAKES FIRST STEPS TOWARDS FLYING CIVILIA SPACE [NASA RELEASE-83-198]  P83-10265  WAUMANN, ROBERT + STS-7 PREPLIGHT BRIEFINGS: OSTA-2 P83-10141  WAVIAS, ROB STS-6 PREPLIGHT BRIEFING/ORBITER CHANGES | 06 05 06 06 06 05 05                         |
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| STS-7 PREPLIGHT CREW PRESS CONFERENCE   | E                        | 0.5  | STS-9 SCIENCE BRIEFING P83   | i-10245 0                | 5   |
|---|--------------------------|------|--|--------------------------|-----|
|   | P83-10142                | 05   | HELSON, GREGORY A.   |                          |     |
| STS-7 POSTFLIGHT CREW PRESS CONFEREN  | ICE<br>P83-10148         | 05   | NASA ACCEPTS 18 STUDY PROPOSALS FOR SPA<br>UTILIZATION   |                          |     |
| STS-8 PREFLIGHT CREW CONFERENCE   | P83-10152                | 05   | [HASA RELEASE-83-31] P83   | j-10042 U                | 10  |
| STS-9 PREPLIGHT BRIEFING (FLIGHT DIE  |                          |      | MEUGRBAUER, GERRY NASA TO LAUNCH COOPERATIVE INTERNATIONA [NASA RELEASE-83-1] P83  | AL SATELLIS<br>3-10001 0 |     |
| STS-9 PREFLIGHT CREW PRESS CONFERENCE   | DE P83-10260             | 05   | INFRARED ASTRONOMICAL SATELLITE (IRAS) BRIEFING SET  |                          | 16  |
| WAYKAYA, IKICHIRO   |                          |      | [NASA RELEASE-83-161] P83  | )- 10 13 <i>1</i>        | , 0 |
| CHALLENGER PIRST FLIGHT TO DEPLOY TO  | DRS-A AND                |      | NEUHARTH, AL<br>SUGGESTED REMARKS: GANNETT MANAGEMENT  | GROUP.                   |     |
| FEATURE EVA<br>[NASA RELEASE-83-36]   | P83-10047                | 06   | WASHINGTON, D.C. P83   | 3-10273 0                | )5  |
| MEAL, ROY   |                          |      | NEUPERT, WERNER M.   |                          | _   |
| STS-6 PREFLIGHT BRIEFING/ORBITER CHA  | P83-10031                |      | AMBITIOUS STS-7 MISSION TO FEATURE FIRS<br>AT KENNEDY<br>[NASA RELEASE-83-87] P83  | ST LANDING<br>3-10098 0  |     |
| + STS-6 PREFLIGHT BRIEFING ON EVA   | P83-10033                | 05   | NIGHT LAUNCH AND LANDING SET FOR STS-8   |                          |     |
| STS-6 BRIEFING ON TDRSS   | P83-10034                | 05   |  | 3-10130 0                | )6  |
| STS-6 FLIGHT PLAN BRIEFING  | P83-10035                | 05   | BEUSCHUTZ, D. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB   | ON ITS                   |     |
| STS-7 PREFLIGHT CREW PRESS CONFERENCE   | CE<br>P83-10142          | 05   | FIRST MISSION  | 3-10209 0                | 06  |
|   |                          |      | (2202 200000 00 000)   |                          |     |
| STS-8 PREPLIGHT CREW CONFERENCE   |                          |      | SUGGESTED REMARKS: INAUGURAL LECTURE:  | JAMES E.                 | ON. |
| STS-9 CHANGE OF SHIFT BRIEFING  |                          | 05   | WEBB FUND FOR EXCELLENCE IN PUBLIC ADM:<br>WASHINGTON, D.C. P8:  | 3-10261 0                | 05  |
| STS-9 PREFLIGHT HOW-TO-COVER BRIEFI   | NG<br>P83-10246          | 05   | NEWHAN, TON<br>FISCAL YEAR 1984 BUDGET BRIEFING P8:  | 3-1002 <b>7</b> 0        | 05  |
| STS-9 PREPLIGHT BRIEFING (PLIGHT DI   | RECTOR)<br>P83-10257     | 05   | MENSON, T.<br>1958 - 1983 QUR FIRST QUARTER CENTURY  |                          |     |
| STS-9 PREFLIGHT BRIEFING (SPACELAB  | #2)<br>P83-10259         | 05   | ACHIEVEMENTJUST THE BEGINNING  | 3-10167 0                | 06  |
| STS-9 PREFLIGHT CREW PRESS CONFEREN   | CE<br>P83-10260          | . 05 | MICALIA, CLAUDE STS-9 PREFLIGHT BRIEFING (SPACELAB #2) P8  | 3-10259 0                | 05  |
| STS-11 EVA TIMELINE BRIEFING  | P83-10275                | 05   |  |                          | ••  |
| 41-B PREFLIGHT PRESS CONFERENCE/FLI   | GHT PLAN<br>P83-10276    | 05   | MICHOLAS, BOB FLIGHT 41-5 PRE-MISSION CREW PRESS CON P8  | PERENCE<br>3-10277 (     | 05  |
| PLIGHT 41-5 PRE-MISSION CREW PRESS  | CONFERENCE<br>P83-10277  | 05   | NICOGOSSIAN, ARNAULD SPACE MEDICINE IS SUBJECT OF NEW NASA [NASA RELEASE-83-59] P8   | BOOK<br>3-10070 (        | 06  |
| MEAL, TERRY<br>STS-6 PREFLIGHT BRIEFING ON EVA  | P83-10033                | 05   | STS-9 TO CARRY EUROPEAN-BUILT SPACELAB   | ON ITS                   |     |
| STS-11 EVA TIMELINE BRIEFING  | P83-10275                | 05   | FIRST MISSION [NASA RELEASE-83-173] P8   | 3-10209                  | 06  |
| NEEL PICHARD R. II  |                          |      | NICOLLIER, CLAUDE STANDARD PHRASEOLOGY ON THE SPACELAB D   | EVELOFMEN!               | T   |
| CHALLENGER FIRST FLIGHT TO DEPLOY T PEATURE EVA   |                          | 0.5  | AND UTILIZATION PROGRAMS   | 3-10205                  |     |
| [NASA RELEASE-83-36]  | P83-10047                | 06   | ( and a constant of the consta |                          | •   |
| NEIL, ROY<br>STS-6 PREFLIGHT PRESS CONFERENCE   | P83-10037                | 05   | STS-9 TO CARRY EUROPEAN-BUILT SPACELAB<br>PIRST MISSION<br>[NASA RELEASE-83-173] P8  | 3-10209 (                | 06  |
| NEITT, L.   |                          |      | STS-9 TO CARRY EUROPEAN-BUILT SPACELAB   |                          |     |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132] |                          | 06   | FIRST MISSION [NASA RELEASE-83-173] P8   |                          | 06  |
| •   |                          |      | NIEBERDING, WILLIAM  |                          |     |
| NELLESSEN, W.  STS-9 TO CARRY EUROPEAN-BUILT SPACE PIRST MISSION                              |                          |      | NASA DEVELOPS PROCESS TO MAKE HIGH-TEM<br>SEMICONDUCTOR  |                          |     |
| [NASA RELEASE-83-173]   | P83-10209                | 06   | (NASA RELEASE-83-14) P8  | 33-10014                 | 06  |
| NELSON, GEORGE D.   | 7712 7 1Wh 1             | 2    | BIELSEN, K. STS-9 TO CARRY EUROPEAN-BUILT SPACELAR   | ON ITS                   |     |
| CREWHEMBERS NAMED FOR STS-13, SPACE (NASA RELEASE-83-22)                                      |                          | 06   | FIRST MISSION [NASA RELEASE-83-173] P8   |                          | 06  |
| 1958 - 1983 OUR FIRST QUARTER CENTU<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132] | DRY OF<br>P83-10167      | 06   | WIESBAAG, H. STS-9 TO CARRY EUROPEAN-BUILT SPACELAR FIRST MISSION  | 3 ON ITS                 |     |
| NEW ASTRONAUT SHUTTLE PLIGHT ASSIGN   | NMENTS MADE<br>P83-10215 | 06   | [NASA RELEASE-83-173] PS   | 33-10209                 | 06  |

| NASA DEVELOPS PROCESS TO MAKE HIGH-  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |            | [NASA RELEASE-83-173]   | P83-10209              | 06       |
|--|---|------------|---|------------------------|----------|
| SEMICONDUCTOR  | LDDPLBALUAL                             | ı          | OCKELS, WUBBO   |                        |          |
| [NASA RELEASE-83-14]   | P83-10014                               | 06         | STANDARD PHRASEOLOGY ON THE SPACELA                                   | B DEVELOPME            | NT       |
| MITSCHE, R.  |   |            | AND UTILIZATION PROGRAMS [NASA RELEASE-83-169]                        | P83-10205              | 06       |
| STS-9 TO CARRY EUROPEAN-BUILT SPACES FIRST MISSION                         | LAB ON ITS                              |            | STS-9 TO CARRY EUROPEAN-BUILT SPACE                                   | TAR ON THE             |          |
| [NASA RELEASE-83-173]  | P83-10209                               | 06         | FIRST MISSION   |                        |          |
| MIXON, RICHARD M.  |   |            | [NASA RELEASE-83-173]   | P83-10209              | 06       |
| 1958 - 1983 OUR FIRST QUARTER CENTURA ACHIEVEMENT JUST THE BEGINNING       | RY OP                                   |            | SPACELAB 1 CREW ACTIVITIES  |                        |          |
| (NASA RELEASE-83-132]  | P83-10167                               | 06         | •   | P83-10229              | 06       |
| MOTTEBOHM, A.  |   |            | ODON, JAMES B. STS-6 PREFLIGHT BRIEFING/ORBITER CHI                   | ANGES                  |          |
| 1958 - 1983 OUR FIRST QUARTER CENTUR<br>ACHIEVEMENTJUST THE BEGINNING      | RY OF                                   |            |   | P83-10031              | 05       |
| [NASA RELEASE-83-132]  | P83-10167                               | 06         | OKIE, SUSAN   |                        |          |
| HIQUIST, LAWRENCE  |   |            | STS-7 PREFLIGHT CREW PRESS CONFERENCE                                 | CE<br>P83-10142        | 0.5      |
| SCIENTISTS BELIEVE METEORITES MAY HE                                       | AVE COME PR                             | OH         |   | 203-10142              | 0.5      |
| MARS<br>[NASA RELEASE-83-33]   | P83-10044                               | 06         | OLSEN, PAT STS-11 EVA TIMELINE BRIEFING                               | P83-10275              | 0.5      |
| -  |   |            |   |                        | 0.5      |
| SUGGESTED REMARKS: JSC HONOR AWARDS<br>JOHNSON SPACE CENTER, HOUSTON, TEX. |   | 05         | 41-B PREPLIGHT PRESS CONFERENCE/FLIG                                  | GHT PLAN<br>P83-10276  | 05       |
| _  |   |            | OLSTAD, WALTER B.   |                        |          |
| 0  |   |            | SPACE STATION TECHNOLOGY WORKSHOP TO [NASA RELEASE-83-26]             | D BE HELD<br>P83-10026 | 06       |
| O'BRIEN, B. J. SUGGESTED REMARKS: PIONEER 10 RECEI                         | TON. NATE                               | ONAI.      |   |                        |          |
|  |   |            | NEW CHIEF ENGINEER AND MANAGEMENT HE<br>[NASA RELEASE-83-106]         | P83-10117              | 06       |
| SUGGESTED REMARKS: PIONEER 10 RECEI<br>AIR AND SPACE MUSEUM                | PERSON, NATI<br>PERSONATI               | ONAL<br>O5 | SUGGESTED REMARKS: SPACE STATION THE WORKSHOP, WILLIAMSBURG, VIRGINIA | CHNOLOGY<br>P83-10137  | 05       |
| O'CONNOR, BRYAN D.   | NT AT                                   |            | OLTON, BARRY  |                        |          |
| 1958 - 1983 OUR PIRST QUARTER CENTUR<br>ACHIEVEMENTJUST THE BEGINNING      | KI OF                                   |            | NASA TO LAUNCH GALAXY-A SATELLITE<br>[NASA RELEASE-83-101]            | P83-10112              | 06       |
| [NASA BELEASE-83-132]  | P83-10167                               | 06         |   | 100 10112              | ••       |
| O'HARA, ALPRED D.  |   |            | OLTON, BERRY S. GOES-F LAUNCH SET FOR APRIL 28                        |                        |          |
| AMBITIOUS STS-7 MISSION TO FEATURE F<br>AT KENNEDY                         | PIRST LANDI                             | NG         | [NASA RELEASE-83-63]  | P83-10074              | 06       |
| (NASA RELEASE-83-87)   | P83-10098                               | 06         | OMFS, CHARLES<br>STS-11 EVA TIMELINE BRIEFING                         | DO 2 40075             |          |
| NIGHT LAUNCH AND LANDING SET FOR STS                                       | 5-8                                     |            |   | 203-10275              | US       |
|  | P83-10130                               |            | OBIZUKA, ELLISON S.<br>1958 - 1983 QUR FIRST QUARTER CENTUR           | RY OF                  |          |
| STS-7 PREFLIGHT BRIEFINGS: OSTA-2  | P83-10141                               | 05         | ACHIEVEMENTJUST THE BEGINNING   |                        | 0.6      |
| STS-9 TO CARRY EUROPEAN-BUILT SPACES                                       | AB ON ITS                               |            |   | P83-10167              | 06       |
| PIRST MISSION<br>[NASA RELEASE-83-173]                                     | P83-10209                               | .06        | ORTHER, J. STS-9 TO CARRY EUROPEAN-BUILT SPACE                        | AB ON TTS              |          |
| O'HARA, T.   |   |            | FIRST MISSION   |                        |          |
| 1958 - 1983 OUR FIRST QUARTER CENTUR                                       | Y OF                                    |            | [NASA RELEASE-83-173]   | P83-10209              | 06       |
| ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]                        | P83-10167                               | 06         | ORZECHOWSKI, RICHARD E. INTELSAT COMMUNICATIONS SATELLITE SO          | TURDULET POL           | <b>n</b> |
| O'LEARY, BRIAN TODD  |   |            | LAUNCH  | 4                      |          |
| 1958 - 1983 OUR FIRST QUARTER CENTUR                                       | Y OF                                    |            | [NASA RELEASE-83-77]  | P83-10088              | 06       |
| ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]                     | P83-10167                               | 06         | OTTO, GUENTHER H. AMBITIOUS STS-7 MISSION TO FEATURE F                | TD66                   |          |
| •  | 103 10107                               | 00         | AT KENNEDY  | INST LANDIN            | NG       |
| O'LOUGHLIM, J. STS-9 TO CARRY EUROPEAN-BUILT SPACEL                        | AB ON ITS                               |            | [NASA RELEASE-83-87]  | P83-10098              | 06       |
| FIRST MISSION  | DO3 10000                               | 0.6        | STS-7 PREFLIGHT BRIEFINGS: OSTA-2                                     | P83-10141              | 05       |
| -  | P83-10209                               | 06         | OVERNYER, ROBERT PRANKLIN   |                        |          |
| O'TOOLE, JOHN STS-9 CHANGE OF SHIFT BRIEFING                               | P83-10238                               | 05         | CREWMEMBERS NAMED FOR STS-13, SPACEL                                  |                        | 0.0      |
|  | 103 10230                               | •5         | · · ·   | P83-10022              | 06       |
| O'TOOLE, TON<br>FISCAL YEAR 1984 BUDGET ERIEFING                           | P83-10027                               | 05         | 1958 - 1983 QUR FIRST QUARTER CENTUR<br>ACHIEVEMENTJUST THE BEGINNING | Y OF                   |          |
| PLIGHT 41-5 PRE-MISSION CREW PRESS C                                       | ONBEDERCE                               |            | <u></u>   | P83-10167              | 06       |
|  | P83-10277                               | 05         | NEW ASTRONAUT SHUTTLE PLIGHT ASSIGNM                                  | IENTS MADE             |          |
| OBAID, RIDA  |   |            |   | P83-10215              | 06       |
| UNITED STATES AND SAUDI ARABIA SIGN  | SPACE RESE                              | ARCH       | SUGGESTED REMARKS: JSC HONOR AWARDS                                   |                        |          |
| AGREEMENT<br>[NASA RELEASE-83-165]   | P83-10201                               | 06         | JOHNSON SPACE CENTER, HOUSTON, TEX.                                   | P83-10240              | 05       |
| OBAYASHI, T.   |   |            | OWENS, CLARK  | PCMO P1                |          |
| STS-9 TO CARRY EUROPEAN-BUILT SPACEL                                       | AB ON ITS                               |            | STS-9 PREFLIGHT BRIEFING (FLIGHT DIR                                  | P83-10257              | 05       |
| FIRST MISSION  |   | •          |   | P83-10140              | 05       |

|   |                        |            | STS-9 SCIENCE BRIEFING P83-10256   | 05  |
|---|------------------------|------------|--|-----|
| P   |                        |            | STS-9 PREFLIGHT BRIEFING (PLIGHT DIRECTOR) P83-10257   | 05  |
| PADDAY, J. STS-9 TO CARRY EUROPEAN-BUILT SPACELA                              | AB ON ITS              |            | 203-10237  | V.J |
| FIRST MISSION [NASA RELEASE-83-173]   |                        | 06         | STS-9 PREFLIGHT CREW PRESS CONFERENCE<br>P83-10260   | 05  |
| PAGE, D. EDGAR NASA TO LAUNCH EUROPEAN X-RAY OBSERVA [NASA RELEASE-83-74]     |                        |            | HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204] P83-10271  | 06  |
| PAGE, GEORGE F. AMBITIOUS STS-7 MISSION TO FEATURE FI                         |                        |            | SUGGESTED REMARKS: GANNETT MANAGEMENT GROUP, WASHINGTON, D.C. P83-10273                                      | 05  |
| AT KENNEDY  | IKSI LAMDII            |            | PARKS, ROBERT J.   |     |
| [NASA RELEASE-83-87] PAINE, THOMAS O.   | P83-10098              | 06         | IUS INVESTIGATION BOARD MEMBERS NAMED [NASA RELEASE-83-49] P83-10060   | 06  |
| PANEL TO STUDY COMMERCIAL ENTERPRISE [NASA RELEASE-83-12]                     | IN SPACE<br>P83-10012  | 06         | PASCHERAT, MICHAEL AMBITIOUS STS-7 MISSION TO PEATURE PIRST LANDI  | ING |
| SUGGESTED REMARKS: FUND FOR HIGHER I  |                        | 5          | AT KENNEDY [NASA RELEASE-83-87] P83-10098  | 06  |
| I   | P83-10133              | 05         | PELTON, JOSEPH INTERGOVERNMENTAL MEETING OF SPACE TECHNOLOGY   |     |
| 1958 - 1983 OUR FIRST QUARTER CENTURY ACHIEVEMENTJUST THE BEGINNING           | Y OF                   |            | EXPERTS PLANNED [NASA RELEASE-83-8] P83-10008  | 06  |
| [NASA RELEASE-83-132]   | P83-10167              | 06         |  |     |
| PAINTER, WEN  |                        |            | PERARD, A. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS   |     |
| NASA'S B-57 WILL FLIGHT CHECK TORNADO<br>[NASA RELEASE-83-76]                 | 0ES<br>P83-10087       | 06         | FIRST MISSION [NASA RELEASE-83-173] P83-10209  | 06  |
|   |                        |            |  | 30  |
| PALITZ, SUSAN STS-6 BRIEFING ON TDRSS   | P83-10034              | 05         | PERLMUTTER, J. 1958 - 1983 OUR PIRST QUARTER CENTURY OF  |     |
| STS-6 PREFLIGHT BRIEFING/INERTIAL UP  |                        |            | ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132] P83-10167  | 06  |
| I   | P83 <del>-</del> 10036 |            | PERRY, CHARLES A.  |     |
| STS-7 PREFLIGHT CREW PRESS CONFERENCE   | E<br>P83-10142         |            | NASA TO HOLD INTERFAITH CELEBRATION AT WASHING   |     |
|   |                        |            | [NASA RELEASE-83-152] P83-10187  | 06  |
| PALME, WILLIAM  NASA TO LAUNCH RCA SATCOMIR [NASA RELEASE-83-44]              | P83-10055              | 06         | PERS, H. STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITS   |     |
| PANOWSKY, WOLFGANG  |                        |            | FIRST MISSION [NASA RELEASE-83-173] P83-10209  | 06  |
| SUGGESTED REMARKS: AMERICAN UNIVERSI  | ITY,                   | 0.5        |  |     |
| WASHINGTON, D.C. SUGGESTED REMARKS: SPACE STATION TEG                         |                        | 05         | 1958 - 1983 QUR PIRST QUARTER CENTURY OF<br>ACHIEVEMENTJUST THE BEGINNING                                    |     |
| WORKSHOP, WILLIAMSBURG, VIRGINIA  |                        | 05         | [NASA RELEASE-83-132] P83-10167  | 06  |
| PAQUE, J. STS-9 TO CARRY EUROPEAN-BUILT SPACEL                                | AB ON ITS              |            | PETER, LAWRENCE J. CHALLENGER FIRST PLIGHT TO DEPLOY TORS-A AND  |     |
| FIRST MISSION [NASA RELEASE-83-173]   |                        |            | PEATURE EVA [NASA RELEASE-83-36] P83-10047   | 0.6 |
| PARADA, NELSON DE JESUS   | F 03- 10203            |            | PRIERSON, DOWALD HEROD   | 30  |
| INTERGOVERNMENTAL MEETING OF SPACE TO EXPERTS PLANNED                         |                        |            | STS-6 PREFLIGHT BRIEFING/SUIT FAILURE REPORT<br>P83-10032  | 05  |
| [NASA RELEASE-83-8]   | P83-10008              | 06         | STS-6 PREPLIGHT BRIEFING ON EVA P83-10033  | 05  |
| PARK, GEORGE, JR.<br>+ STS-6 PREFLIGHT GETAWAY SPECIAL BRIE                   |                        | <b>^</b> - | STS-6 FLIGHT PLAN BRIEFING P83-10035   | 05  |
| 1   | P83-10030              | <b>U</b> 5 | STS-6 PREFLIGHT PRESS CONFERENCE P83-10037   | 05  |
| CHALLENGER FIRST PLIGHT TO DEPLOY TO<br>FEATURE EVA                           | RS-A AND               |            | CHALLENGER FIRST FLIGHT TO DEPLOY TDRS-A AND   |     |
| [NASA RELEASE-83-36]  | P83-10047              | 06         | FEATURE EVA [NASA RELEASE-83-36] P83-10047   | 06  |
| PARKER, JAMES, JR. SPACE MEDICINE IS SUBJECT OF NEW MAS. [NASA RELEASE-83-59] | A BOOK<br>P83-10070    | 06         | STS-6 POSTFLIGHT NEWS CONFERENCE TO BE HELD [NASA RELEASE-83-53] P83-10064                                   | 06  |
| PARKER, ROBERT ALLAN RIDLEY 1958 - 1983 OUR FIRST QUARTER CENTUR              | Y OF                   |            | NASA SLATES MAJOR PARIS AIR SHOW ACTIVITIES [NASA RELEASE-83-73] P83-10084                                   | 06  |
| ACHIEVEMENTJUST THE BEGINNING [NASA RELEASE-83-132]                           | P83-10167              | 06         | STS-6 POSTFLIGHT CREW CONFERENCE P83-10135   | 05  |
| •   | P83-10179              | 06         | 1958 - 1983 QUE FIRST QUARTER CENTURY OF<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132] P83-10167 | 06  |
| STS-9 TO CARRY EUROPEAN-BUILT SPACEL. PIRST MISSION                           |                        | 0.0        | SUGGESTED REMARKS: JSC HONOR AWARDS CEREMONY   |     |
| •   | P83-10209              | Ub         | JOHNSON SPACE CENTER, HOUSTON, TEX. P83-10240  | US  |
| SPACELAB ! CREW ACTIVITIES [NASA RELEASE-83-193]                              | P83-10229              | 06         | HIGHLIGHTS OF 1983 ACTIVITIES [NASA BELEASE-83-204] P83-10271  | 06  |

| PETTY, DON<br>STS-8 FLIGHT PLAN BRIEFING  | P83-10150  | 05                         | POTTASCH, STEWART  NASA TO LAUNCH COOPERATIVE INTERNATIONAL SA- [NASA RELEASE-83-1]  P83-100   |  |
|---|--|----------------------------|--|--|
| PETTI, JOHE IRA<br>STS-6 2ND FRF BRIEFING FROM KSC  |  |                            | POUW, AD   |  |
| STS-7 PREFLIGHT BACKGROUND BRIEFIN  | NGS: SPAS<br>P83-10139   | 05                         | NASA TO LAUNCH COOPERATIVE INTERNATIONAL SA<br>[NASA RELEASE-83-1] P83-100   | PELLITE  |
| STS-8 FLIGHT PLAN BRIEFING  |  |                            | POWELL, ANTHONY NASA DEVELOPS PROCESS TO MAKE HIGH-TEMPERAT SEMICONDUCTOR  | JRE  |
| PFRIFFER, B. STS-9 TO CARRY EUROPEAN-BUILT SPACE  | CELAB ON ITS   |                            | [NASA RELEASE-83-14] P83-100   | 14 06  |
| FIRST MISSION [NASA RELEASE-83-173]   | P83-10209  | 06                         | POWERS, BLAKE<br>STS-9 PREFLIGHT CREW PRESS CONFERENCE<br>P83-102  | 60 O.E   |
| PHILLIPS, B.  1958 - 1983 OUR PIRST QUARTER CENT ACHIEVEMENT-JUST THE BEGINNING   | CURY OF  |                            | PRAIZEY, J.  |  |
| ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]  | P83-10167  | 06                         | STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON ITERIT HISSION [NASA RELEASE-83-173] P83-102   |  |
| PHILLIPS, SAM SUGGESTED REMARKS: INAUGURAL LECT   | URE: JAMES   | E.                         |  | ,, 00  |
| WEBB FUND FOR EXCELLENCE IN PUBLIC WASHINGTON, D.C.   | P83-10261  | O5                         | PRESTON, LINDA J. FINALISTS CHOSEN IN THIRD SHUTTLE STUDENT INVOLVEMENT PROJECT [NASA RELPASP-83-92] D83-101   | \2 06  |
| PIKE, J. 1959 - 1992 OUR EIDEM OURDMED CRAS   | MDY OF   |                            | [ 103 101  | 13 06  |
| ACHIEVEMENT-JUST THE BEGINNING<br>[NASA BELEASE-83-132]   | P83-10167  | 06                         | NASA ACCEPTS 18 STUDY PROPOSALS FOR SPACE SUTILIZATION   | NOITA  |
| PINKNEY, J.   |  |                            | [NASA RELEASE-83-31] P83-100   | 12 06  |
| 1958 - 1983 OUR FIRST QUARTER CENT<br>ACHIEVEMENT-JUST THE BEGINNING<br>(NASA RELEASE-83-132)   | ORY OF   |                            | CHALLENGER FIRST PLIGHT TO DEPLOT TDES-A AND   | )  |
| D   |  |                            | FEATURE EVA<br>[NASA RELEASE-83-36] P83-1004   | 17 06  |
| NASA STUDIES EFFECTS OF LIGHTNING [NASA RELEASE-83-150]   | ON AIRCRAPT<br>P83-10185   | 06                         | PRIKE, I.<br>STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON I   | rs.  |
| PITZ. H.  |  |                            | FIRST DISSION  [NASA PRIFASP-83-1731 P03-1036  | 19 06  |
| 1958 - 1983 OUR FIRST QUARTER CENT<br>ACHIEVEMENTJUST THE BEGINNING<br>[NASA RELEASE-83-132]  | P83-10167  | 0.6                        | PUETO, L.<br>STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON I   | re   |
| ·   |  |                            |  |  |
| POELSTRA, STABLEY W.  |  |                            | FIRST MISSION [NASA RELEASE-83-173] P83-1020   | 9 06   |
| POELSTRA, STABLEY W. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT  | STUDENT  |                            | PIRST MISSION  | 9 06   |
| POELSTRA, STABLEY W.  PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  | STUDENT<br>P83-10103   | 06                         | [NASA RELEASE-83-173] P83-1020   | 06   |
| POELSTRA, STABLEY W. PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT  | STUDENT<br>P83-10103   | 06                         | [NASA RELEASE-83-173] P83-1020  QUANN, JOHN STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON 12   |  |
| POELSTRA, STABLEY W PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  POETSCHKE, D. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]   | P83-10103 PELAB ON ITS P83-10209   | 06                         | [NASA RELEASE-83-173] P83-1020  QUANN, JOHN  | es   |
| POELSTRA, STABLEY W PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  POETSCHKE, D STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]  POGDE, WILLIAM REID 1958 - 1983 OUR FIRST QUARTER CENT  | P83-10103 PB3-10209 PB3-10209  | 06                         | QUANN, JOHN [NASA RELEASE-83-173]  QUANN, JOHN STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON 12 FIRST MISSION [NASA RELEASE-83-173]  QUANN, JOHN J. NASA TO LAUNCH RCA SATCOMIR  | °S<br>9 06   |
| POELSTRA, STABLEY W PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  POETSCHKE, D. STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]  POGUE, WILLIAM REID 1958 - 1983 OUR FIRST QUARTER CENT ACHIEVEMENT-JUST THE BEGINNING  | P83-10103 PB3-10209 PB3-10209  | 06                         | QUANN, JOHN STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON 12 FIRST MISSION [NASA RELEASE-83-173] P83-1020 QUANN, JOHN J. NASA TO LAUNCH RCA SATCOMIR [NASA RELEASE-83-44] P83-1005   | 2S<br>99 06<br>55 06   |
| POELSTRA, STABLEY W  PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  POETSCHKE, D.  STS-9 TO CARRY EUROPEAN-BUILT SPACE PIRST MISSION [NASA RELEASE-83-173]  POGUE, WILLIAM REID 1958 - 1983 OUR FIRST QUARTER CENT ACHIEVEMENT-JUST THE BEGINNING [NASA EELEASE-83-132]  POND, C. 1958 - 1983 OUR FIRST QUARTER CENT   | P83-10103  ELLAB ON ITS P83-10209  FURY OF P83-10167   | 06                         | QUANN, JOHN [NASA RELEASE-83-173]  QUANN, JOHN STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON 12 FIRST MISSION [NASA RELEASE-83-173]  QUANN, JOHN J. NASA TO LAUNCH RCA SATCOMIR  | TS 06 TELLITE  |
| POELSTRA, STABLEY W PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  POETSCHKE, D STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA BELEASE-83-173]  POGUE, WILLIAM BEID 1958 - 1983 OUR FIRST QUARTER CENT ACHIEVEMENT-JUST THE BEGINNING [NASA BELEASE-83-132]   | P83-10103  ELLAB ON ITS P83-10209  FURY OF P83-10167   | 06<br>06<br>06             | QUANN, JOHN STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON 12 FIRST MISSION [MASA RELEASE-83-173] P83-1020 QUANN, JOHN J. NASA TO LAUNCH RCA SATCOMIR [MASA RELEASE-83-44] P83-1005   | CS<br>09 06<br>55 06<br>TELLITE<br>5 06  |
| POELSTRA, STABLEY W  PINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  POETSCHKE, D  STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA BELEASE-83-173]  POGUE, WILLIAM BEID 1958 - 1983 OUR FIRST QUARTER CENT ACHIEVEMENT-JUST THE BEGINNING [NASA BELEASE-83-132]  POND, C 1958 - 1983 OUR FIRST QUARTER CENT ACHIEVEMENT-JUST THE BEGINNING [NASA BELEASE-83-132]  POOL SAH NASA FORMS SPACE BIOMEDICAL RESEAR   | ### STUDENT  ### P83-10103  ### P83-10209  #### OP  ### P83-10167  ### CP  ### P83-10167  CH INSTITUTE   | 06<br>06<br>06             | QUANN, JOHN STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON 12 FIRST MISSION [NASA RELEASE-83-173] P83-1026 QUANN, JOHN STS-9 TO CARRY EUROPEAN-BUILT SPACELAB ON 12 FIRST MISSION [NASA RELEASE-83-173] P83-1026  QUANN, JOHN J. NASA TO LAUNCH RCA SATCOMIR [NASA RELEASE-83-44] P83-1006 NASA TO LAUNCH EUROPEAN I-RAY OBSERVATORY SATELANSA TO LAUNCH GALAXY-A SATELLITE   | 25<br>99 06<br>55 06<br>TELLITE<br>5 06<br>22 06   |
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| TEMPLETON, PATRICK A.  TEMPLETON NAMED ASSOCIATE ADMINIST EXTERNAL RELATIONS [NASA RELEASE-83-67]  FRANK S. JOHNSON JE. TO HEAD NASA* DIVISION [NASA RELEASE-83-178]  THADDEUS, MICHAEL FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  THAGARD, NORMAN E. CREWHEMBERS NAMED FOR SIS-13, SPAC [NASA RELEASE-83-22]  JUNE 18 SET AS LAUNCH DATE FOR SIS  | RATOR FOR  P83-10078  S PUBLIC APF  P83-10214  STUDENT  P83-10103  ELAB 2 AND 3  P83-10022   | 06<br>PAIRS<br>06<br>06          | STS-6 POSTFLIGHT CREW CONFERENCE STS-7 POSTFLIGHT CREW PRESS CONFERE STS-8 FLIGHT PLAN BRIEFING STS-8 PREFLIGHT CREW CONFERENCE 1958 - 1983 OUR FIRST QUARTER CENTU ACHIEVEMENT-JUST THE BEGINNING [NASA RELEASE-83-132] NASA FORMS SPACE BIOMEDICAL RESEARCE WASA RELEASE-83-167] NEW ASTRONAUT SHUTTLE FLIGHT ASSIGN  | P83-10130 P83-10135 INCE P83-10148 P83-10150 P83-10152 IRY OF P83-10167 CH INSTITUTE P83-10203 IMENTS MADE  | 05<br>05<br>05<br>05<br>06             |
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| TEMPLETON, PATRICK A.  TEMPLETON NAMED ASSOCIATE ADMINIST EXTERNAL RELATIONS [NASA RELEASE-83-67]  FRANK S. JOHNSON JE. TO HEAD NASA* DIVISION [NASA RELEASE-83-178]  THADDEUS, MICHAEL FINALISTS CHOSEN IN THIRD SHUTTLE INVOLVEMENT PROJECT [NASA RELEASE-83-92]  THAGARD, NORMAN E.  CREWNEMBERS NAMED FOR STS-13, SPACE (NASA RELEASE-83-22]  JUNE 18 SET AS LAUNCH DATE FOR STS [NASA RELEASE-83-72]  AMBITIOUS STS-7 MISSION TO FEATURE AT KENNEDY [NASA RELEASE-83-87]  STS-7 PREFLIGHT BRIEFING/FLIGHT PL  STS-7 PREFLIGHT CREW PRESS CONFERENCE  STS-8 PREFLIGHT CREW CONFERENCE  1958 - 1983 OUR FIRST QUARTER CENT                                 | RATOR FOR  P83-10078  S PUBLIC APF  P83-10214  STUDENT  P83-10103  ELAB 2 AND 3 P83-10022  77 P83-10038  FIRST LAND  P83-10140  RCE P83-10142  RECE P83-10142      | 06 PAIRS 06 06 3 06 06 1NG 06 05 | STS-6 POSTFLIGHT CREW CONFERENCE  STS-7 POSTFLIGHT CREW PRESS CONFERE  STS-8 PLIGHT PLAN BRIEPING  STS-8 PREFLIGHT CREW CONFERENCE  1958 - 1983 OUR FIRST QUARTER CENTUACHIEVEMENT—JUST THE BEGINNING [NASA RELEASE-83-132]  NASA FORMS SPACE BIOMEDICAL RESEARCE [NASA RELEASE-83-167]  NEW ASTRONAUT SHUTTLE PLIGHT ASSIGN [NASA RELEASE-83-179]  HIGHLIGHTS OF 1983 ACTIVITIES [NASA RELEASE-83-204]  THUCYDIDES  SUGGESTED REMARKS: IEEE CONFERENCE WASHINGTON, D.C.  THULLIER, G.  STS-9 TO CARRY EUROPEAN-BUILT SPACE FIRST MISSION [NASA RELEASE-83-173]  TIETJEW, JAMES J.  NASA TO LAUNCH RCA SATCOMIR [NASA RELEASE-83-44]  | P83-10130 P83-10135 P83-10135 P83-10148 P83-10150 P83-10152 P83-10167 P83-10203 P83-10203 P83-10215 P83-10271 P83-10271 P83-10271 P83-10271 P83-10271                   | 05<br>05<br>05<br>06<br>06<br>06       |
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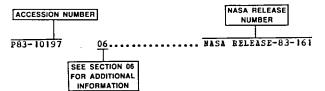
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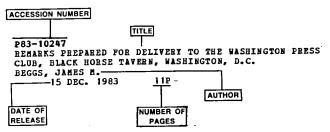
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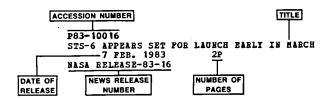
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